

FIG.1

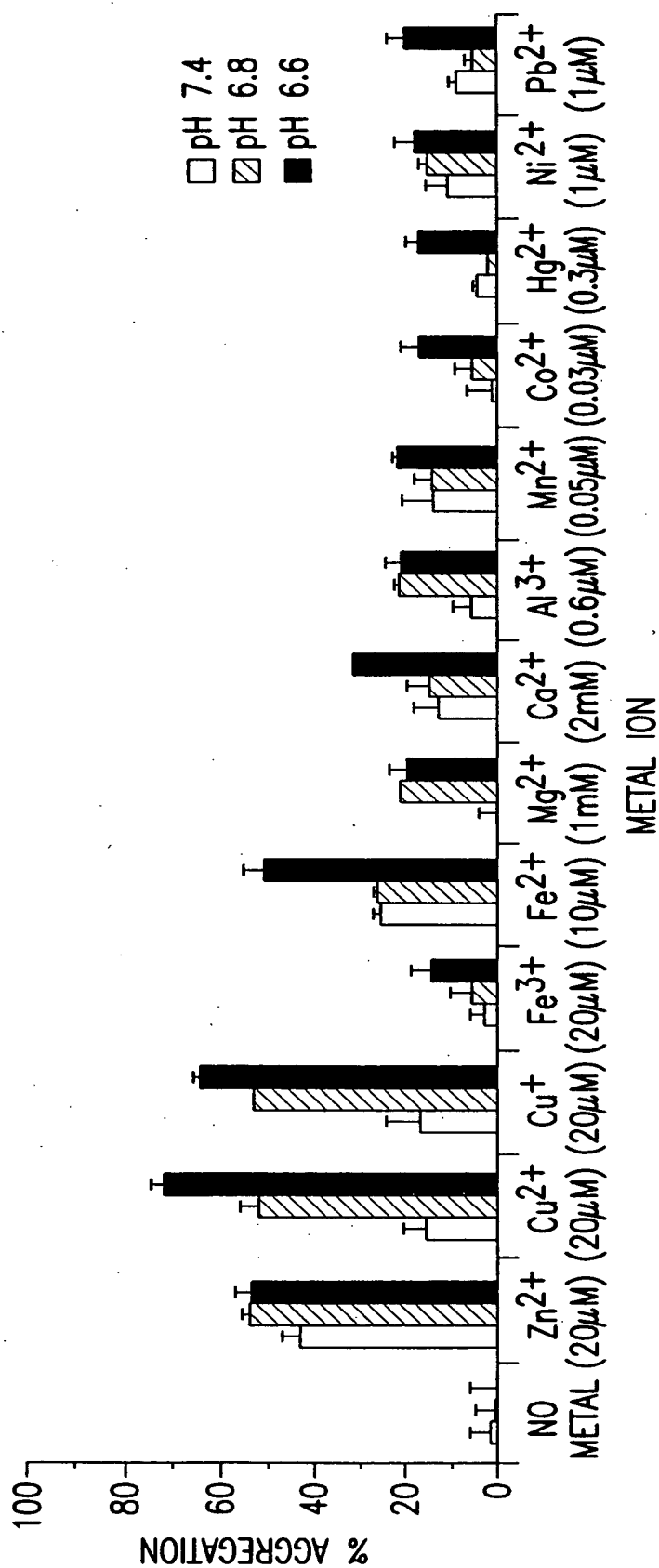


FIG.2A

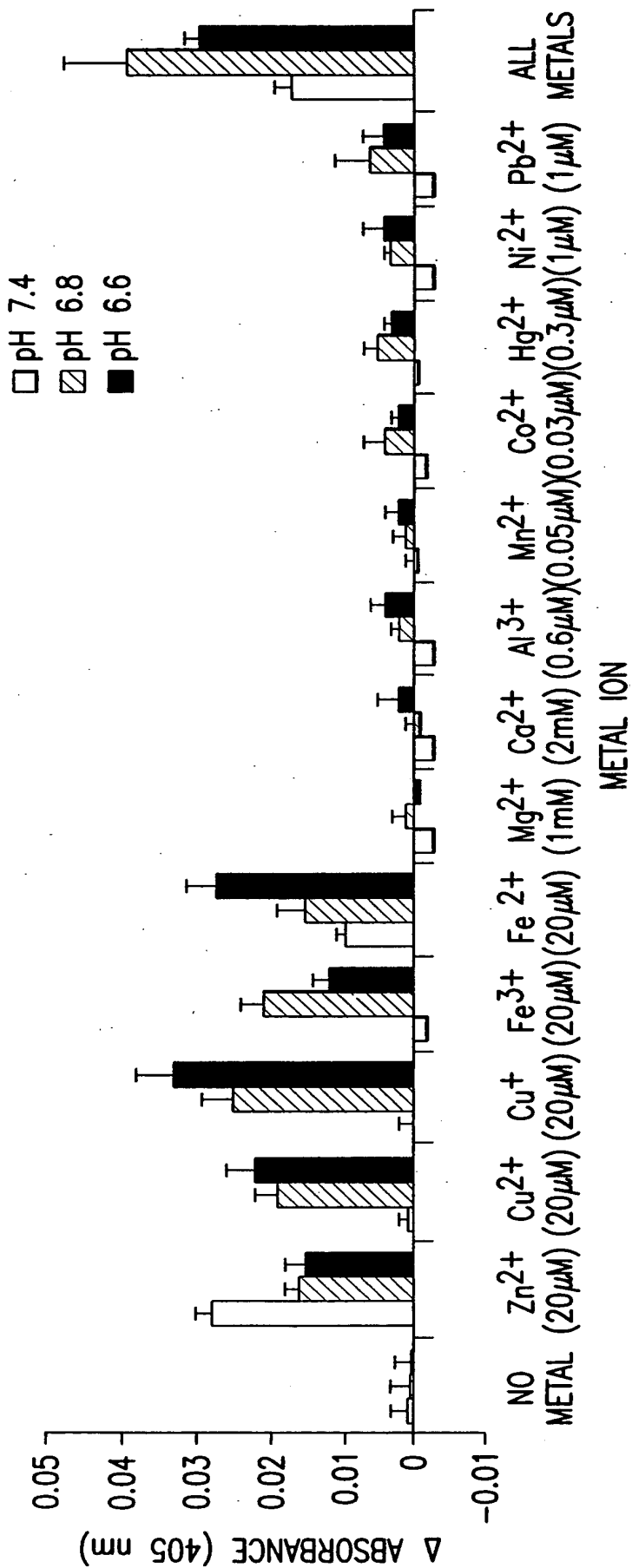


FIG.2B

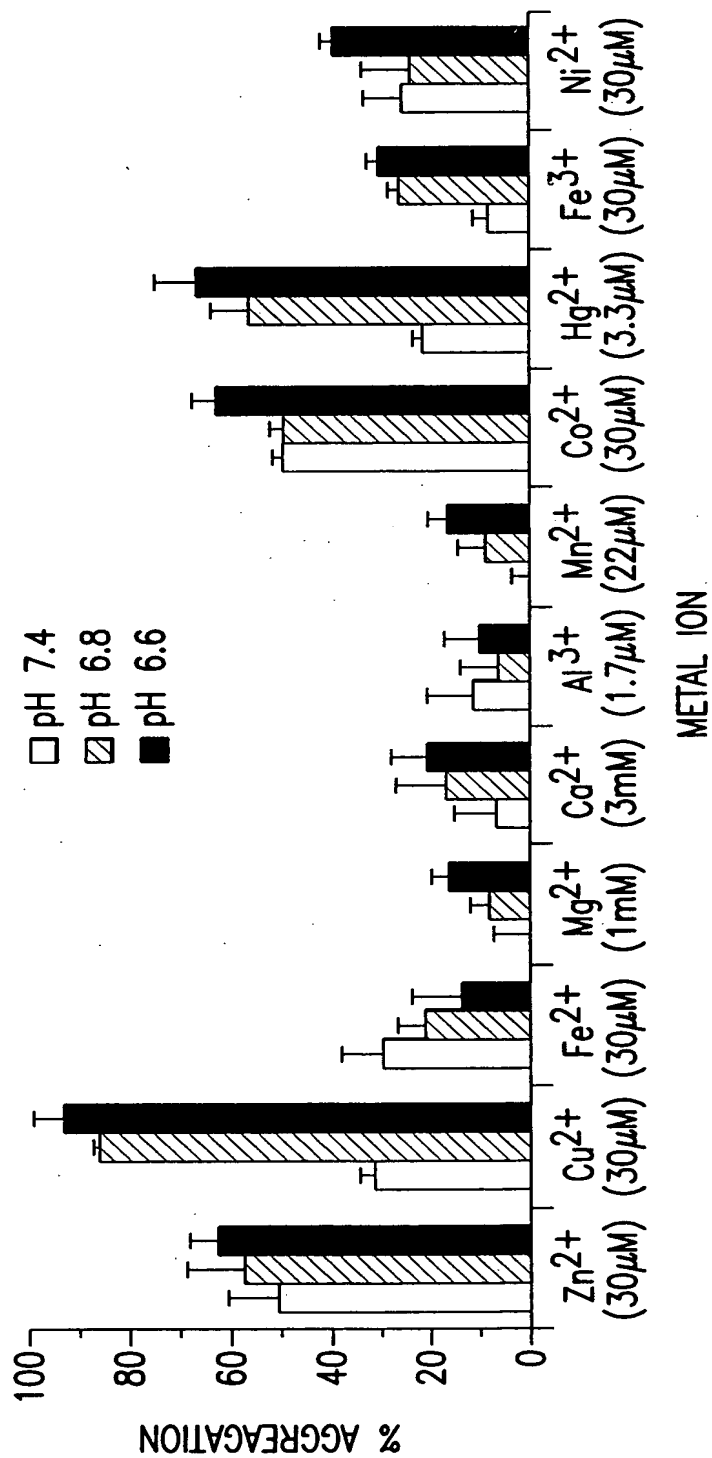


FIG.2C

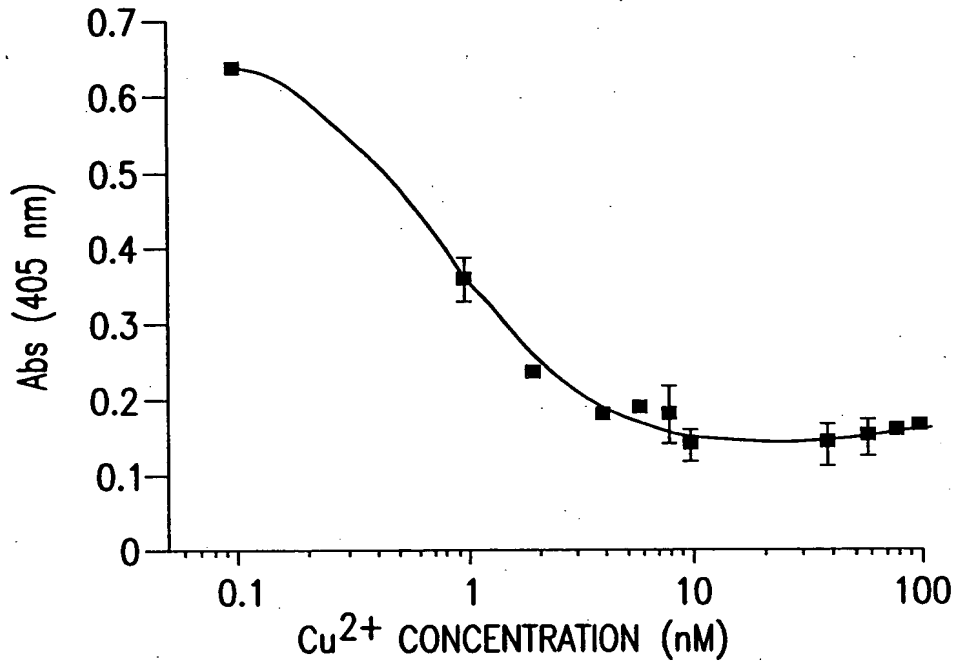


FIG.3

206070-08695660

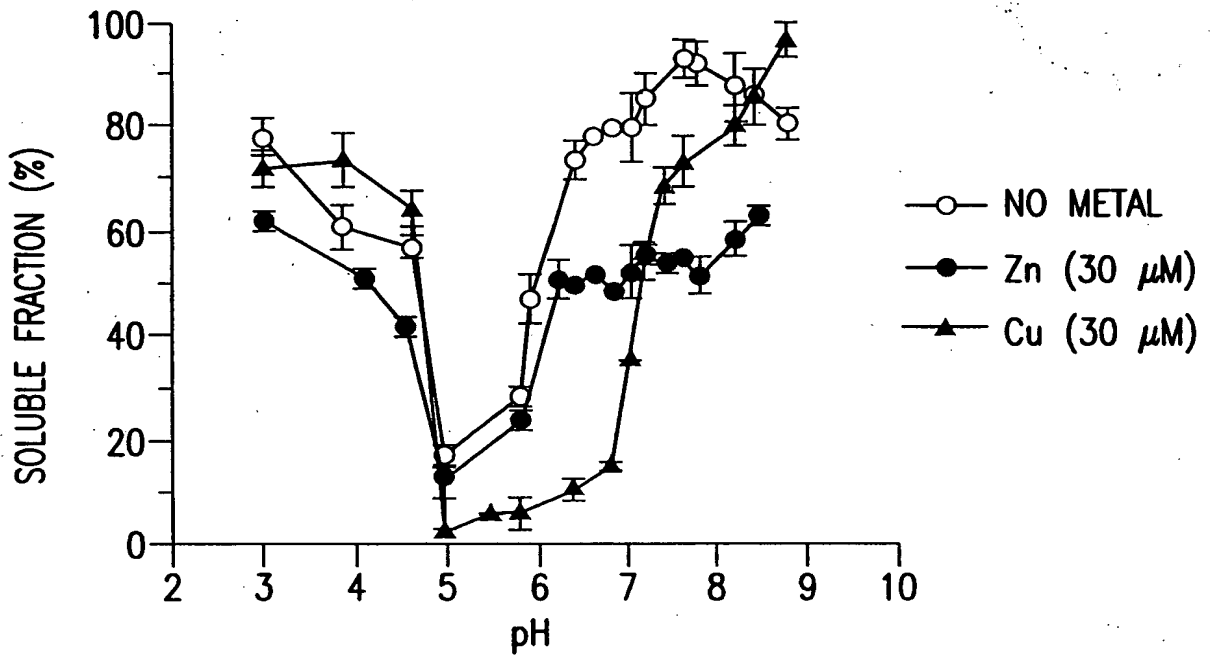


FIG. 4A

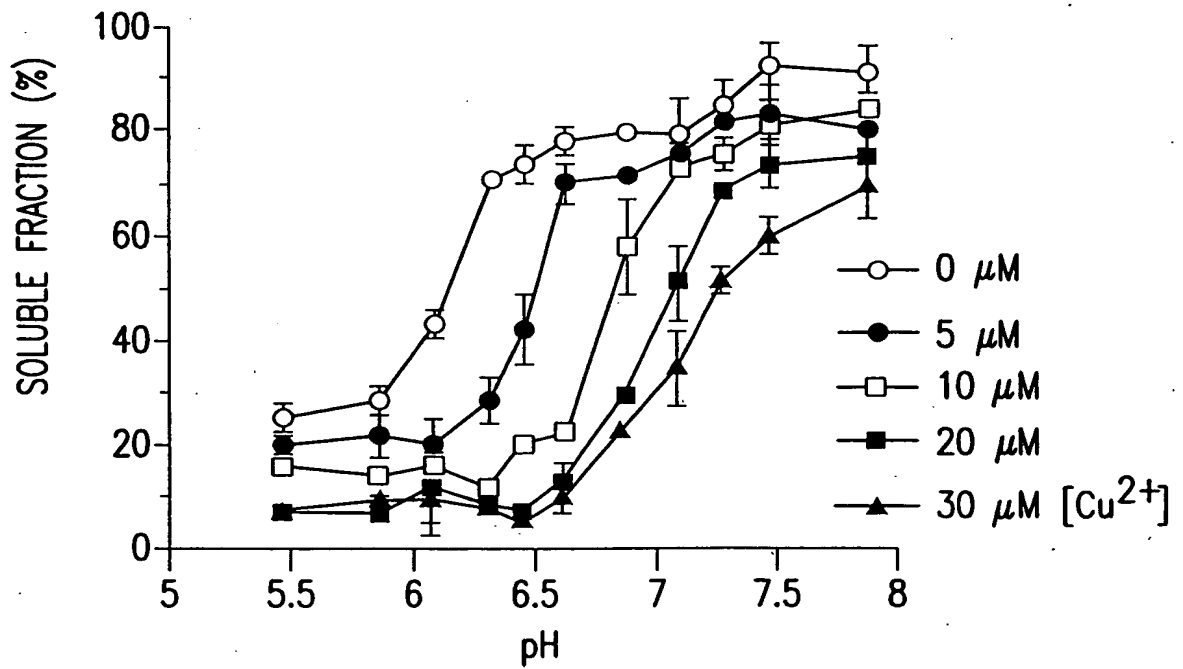


FIG. 4B

202510-08695660

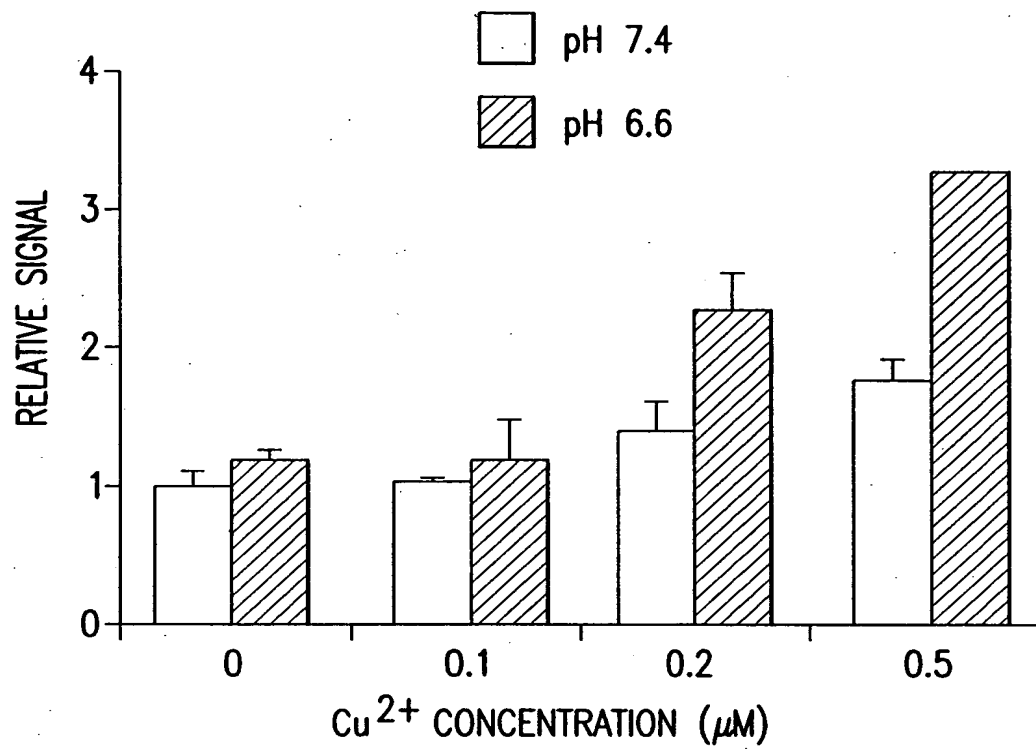


FIG.4C

206070-08695660

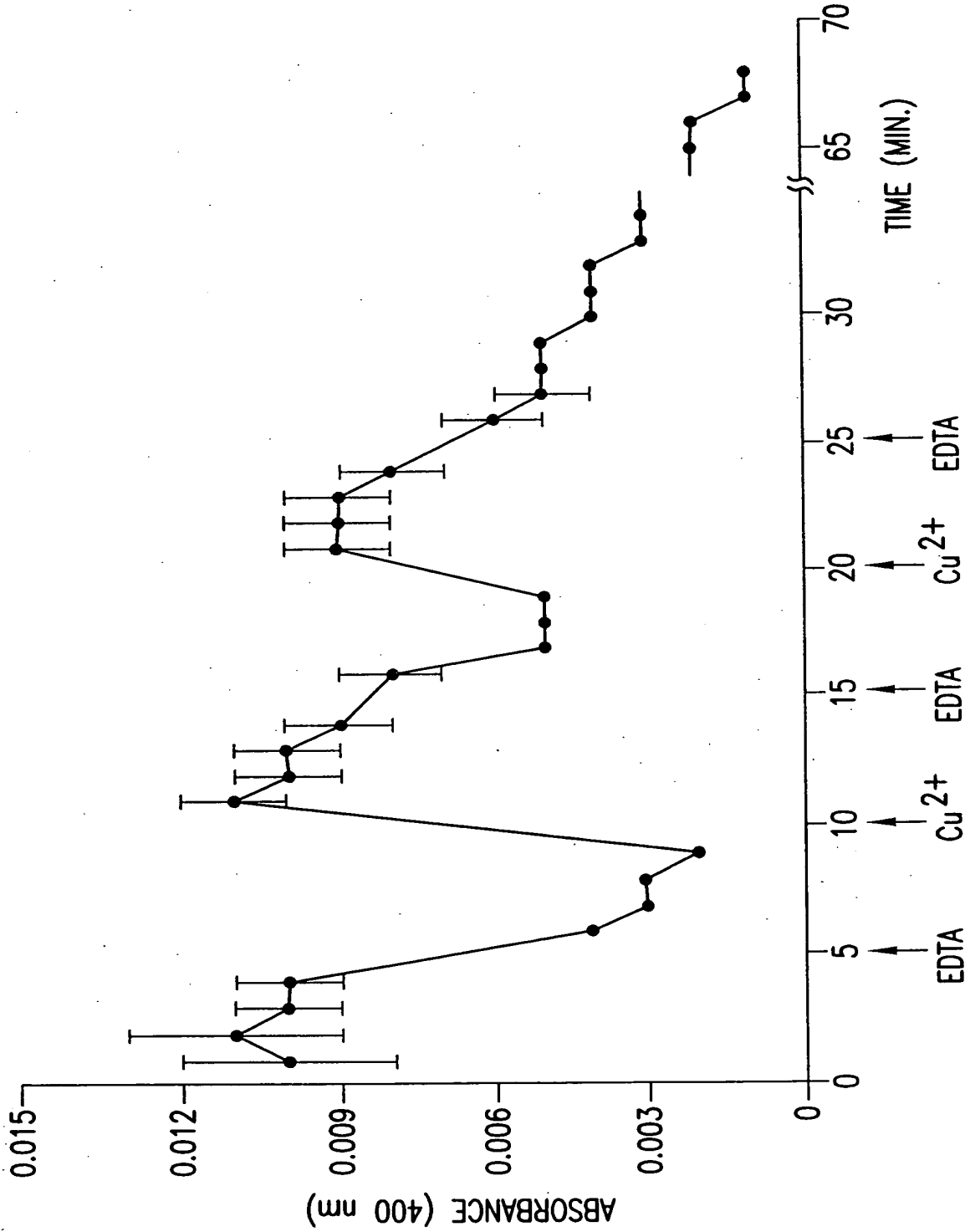


FIG.5A

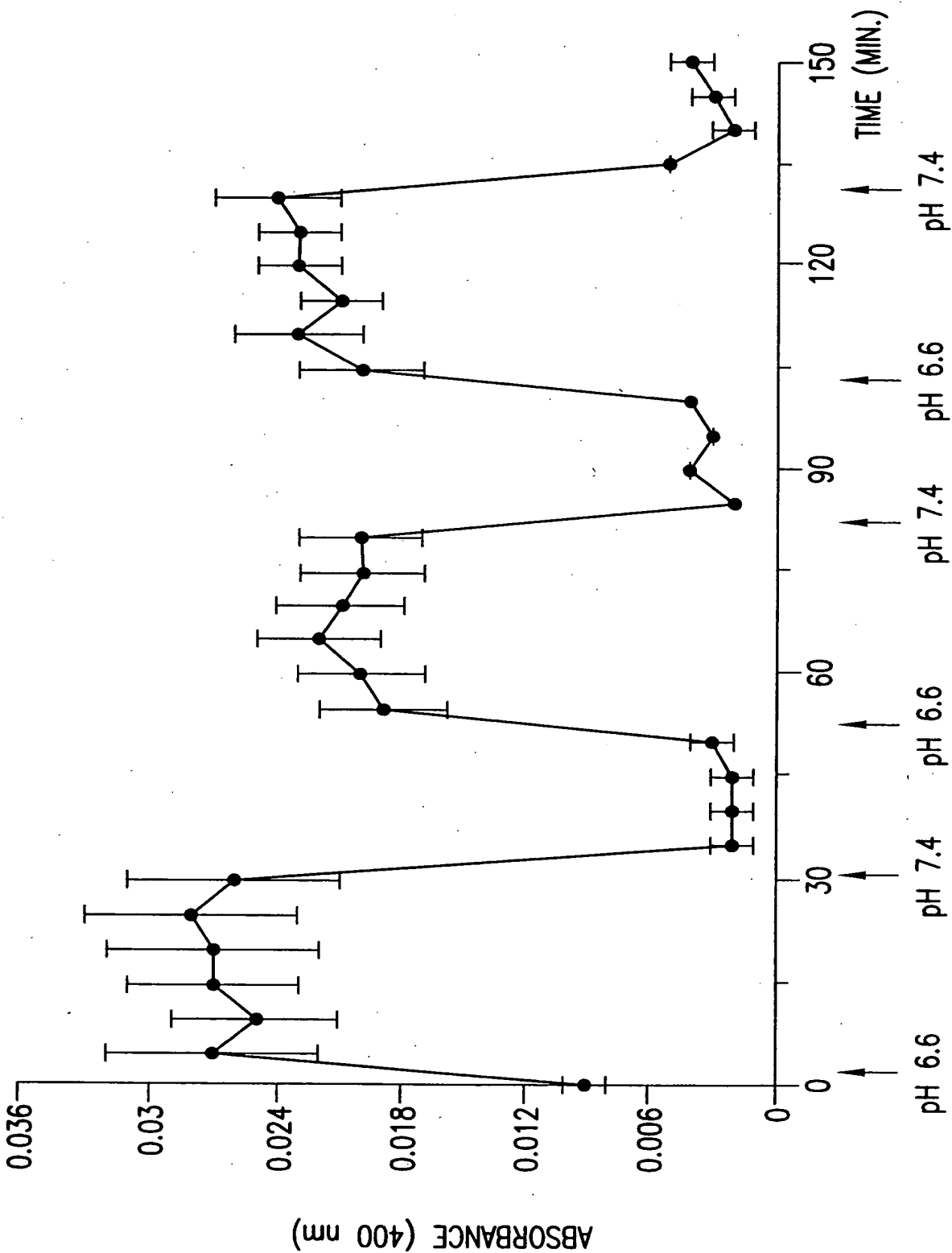


FIG.5B

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

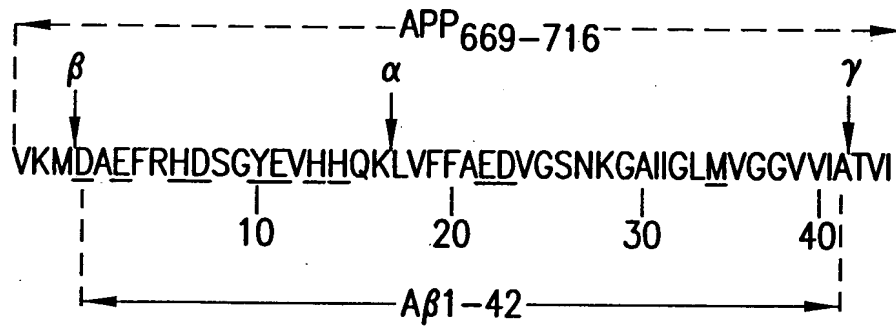


FIG.6

206070 03695660

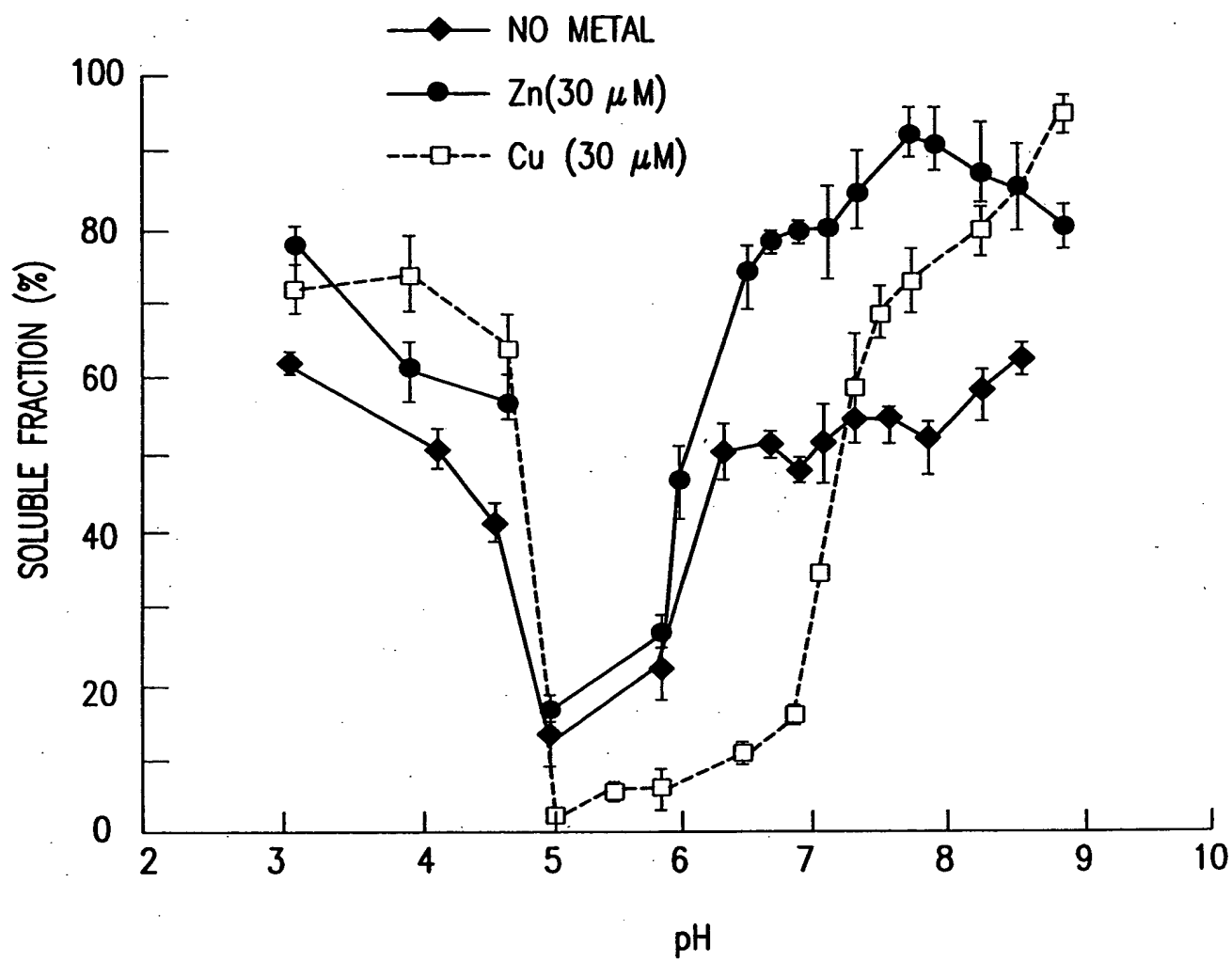


FIG.7

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

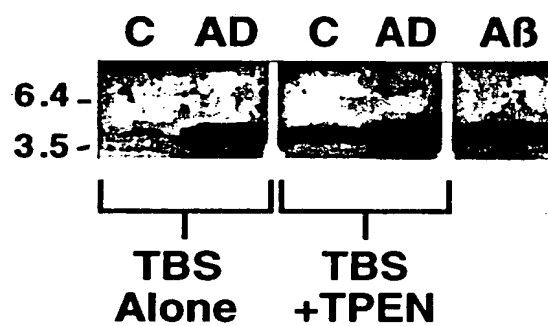


FIG.8

0956980-0000

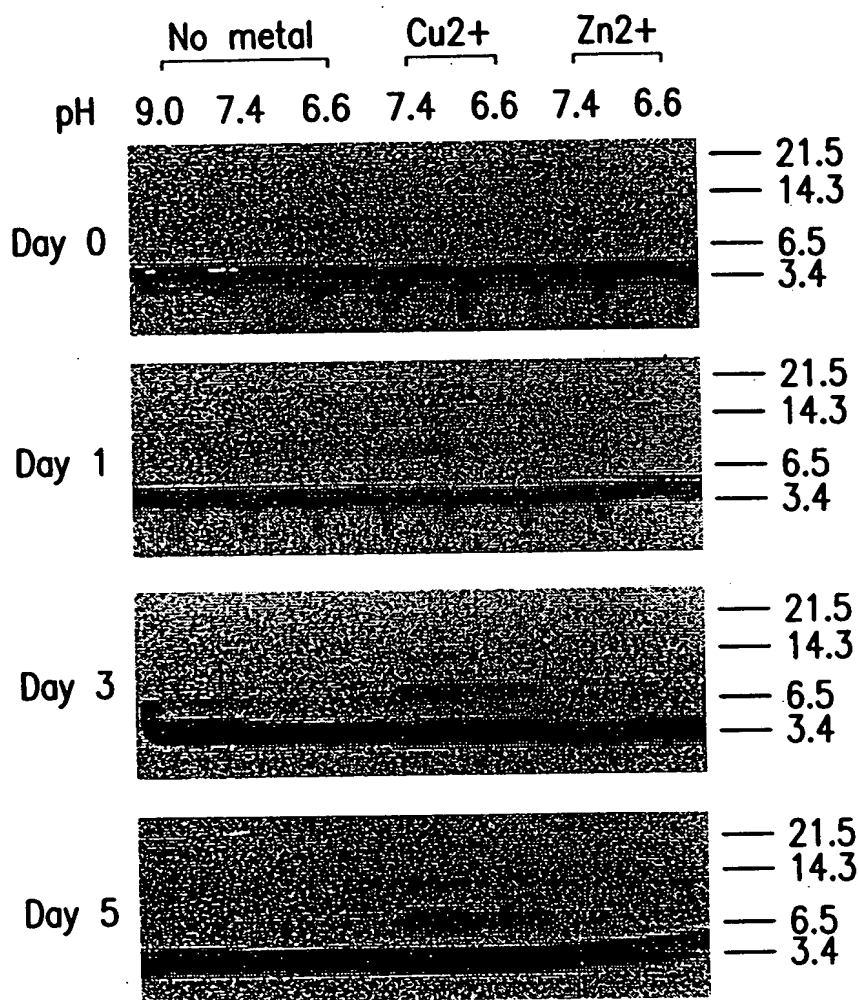


FIG.9

09/956,980 010900

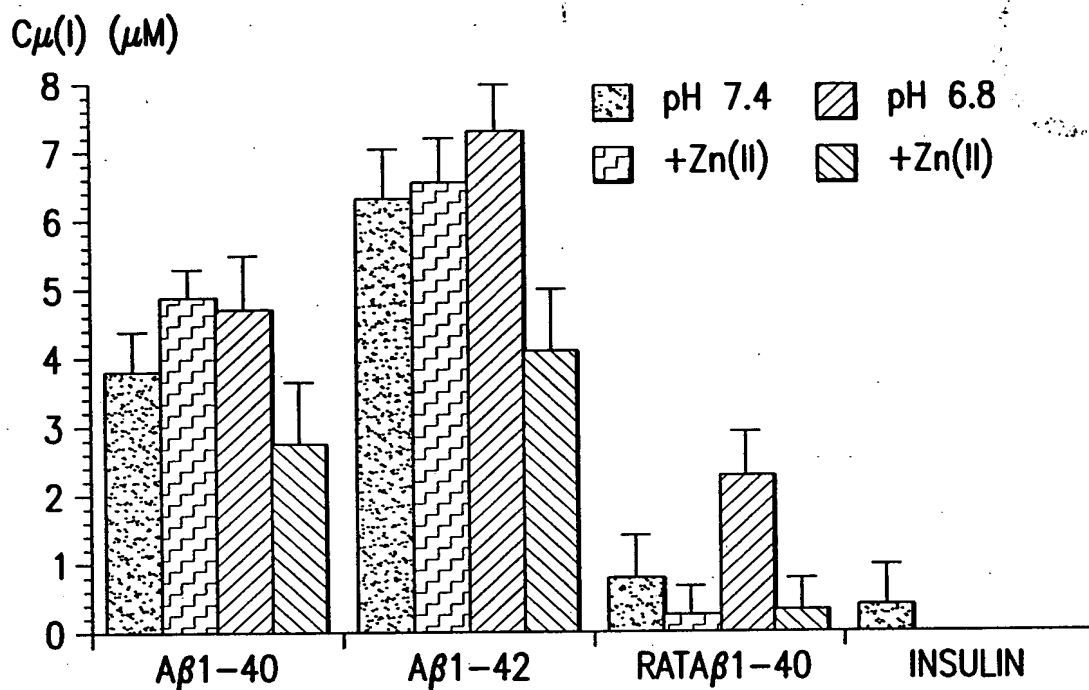


FIG.10

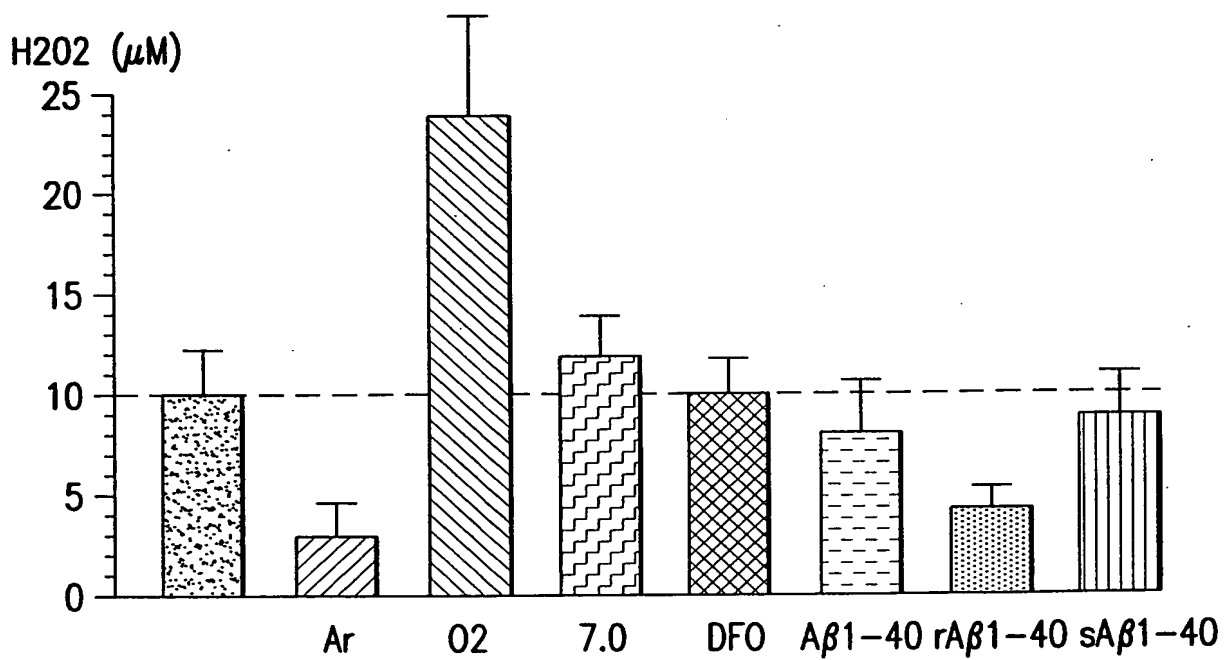


FIG.11

09956980-010002

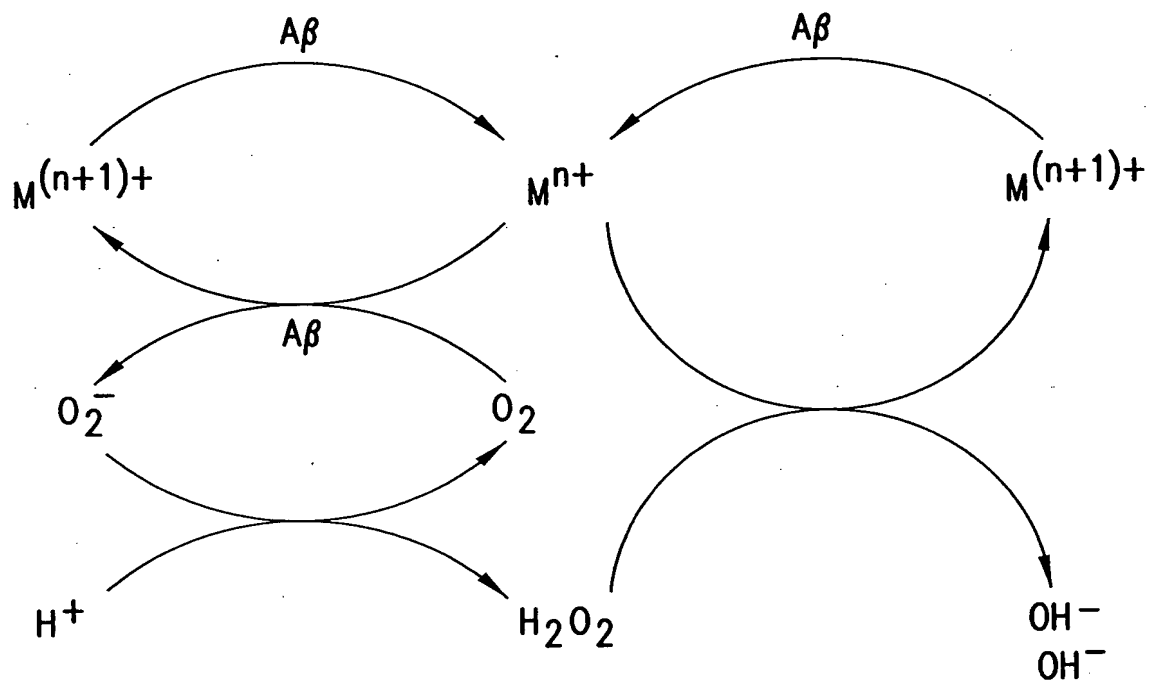


FIG.12

09/956,980 010902

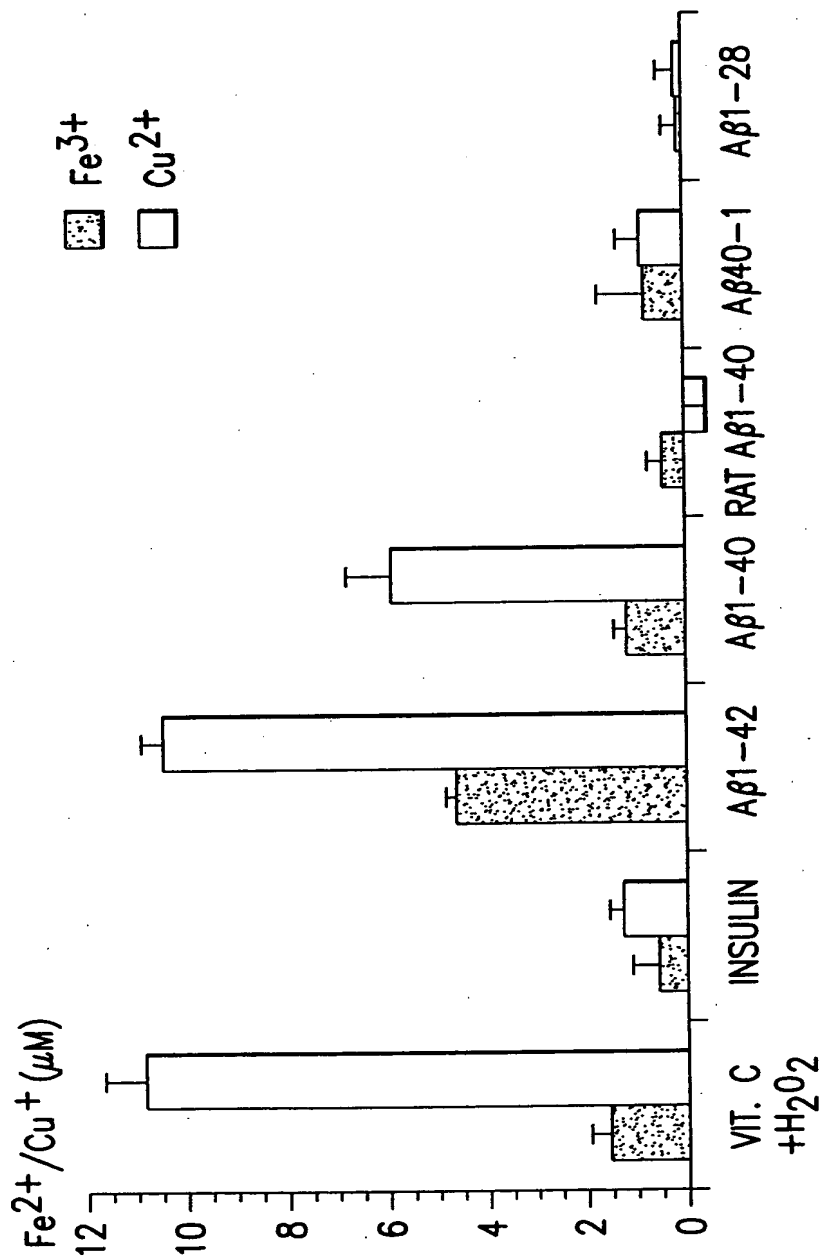


FIG.13A

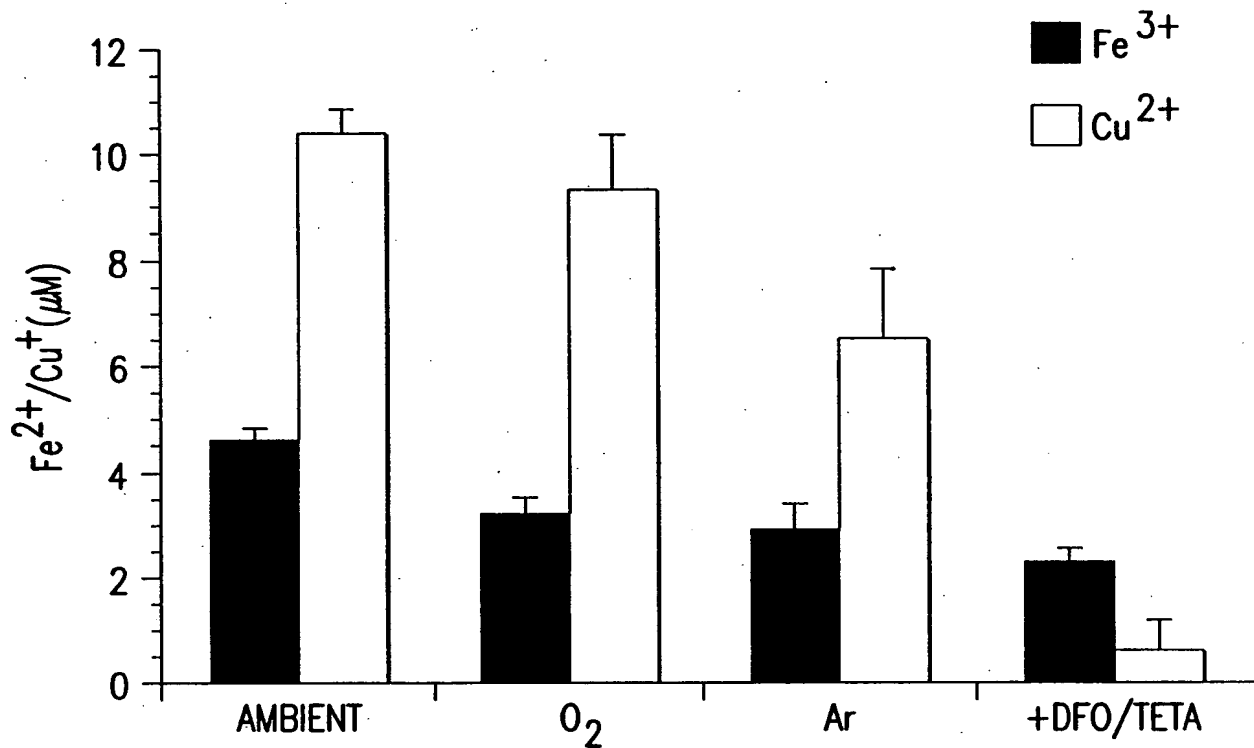


FIG. 13B

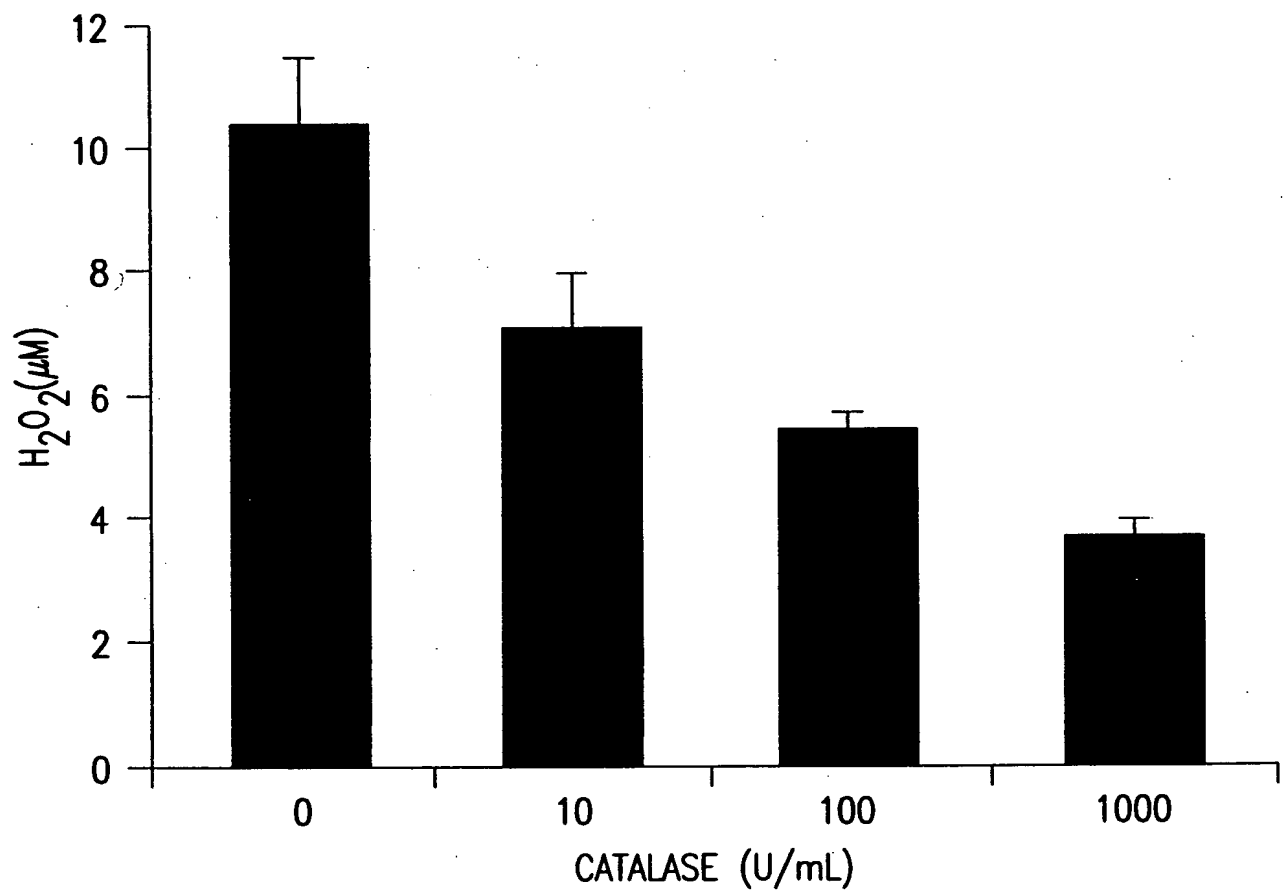


FIG. 14A

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

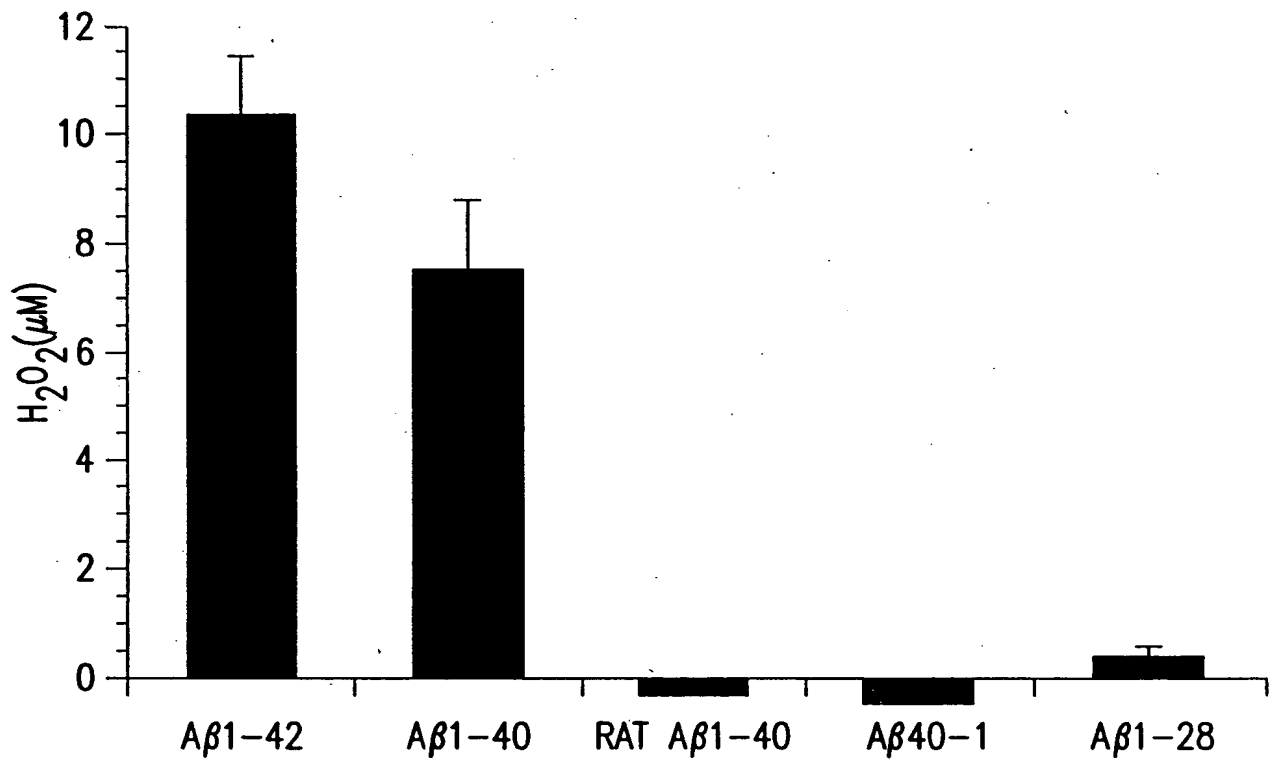


FIG. 14B

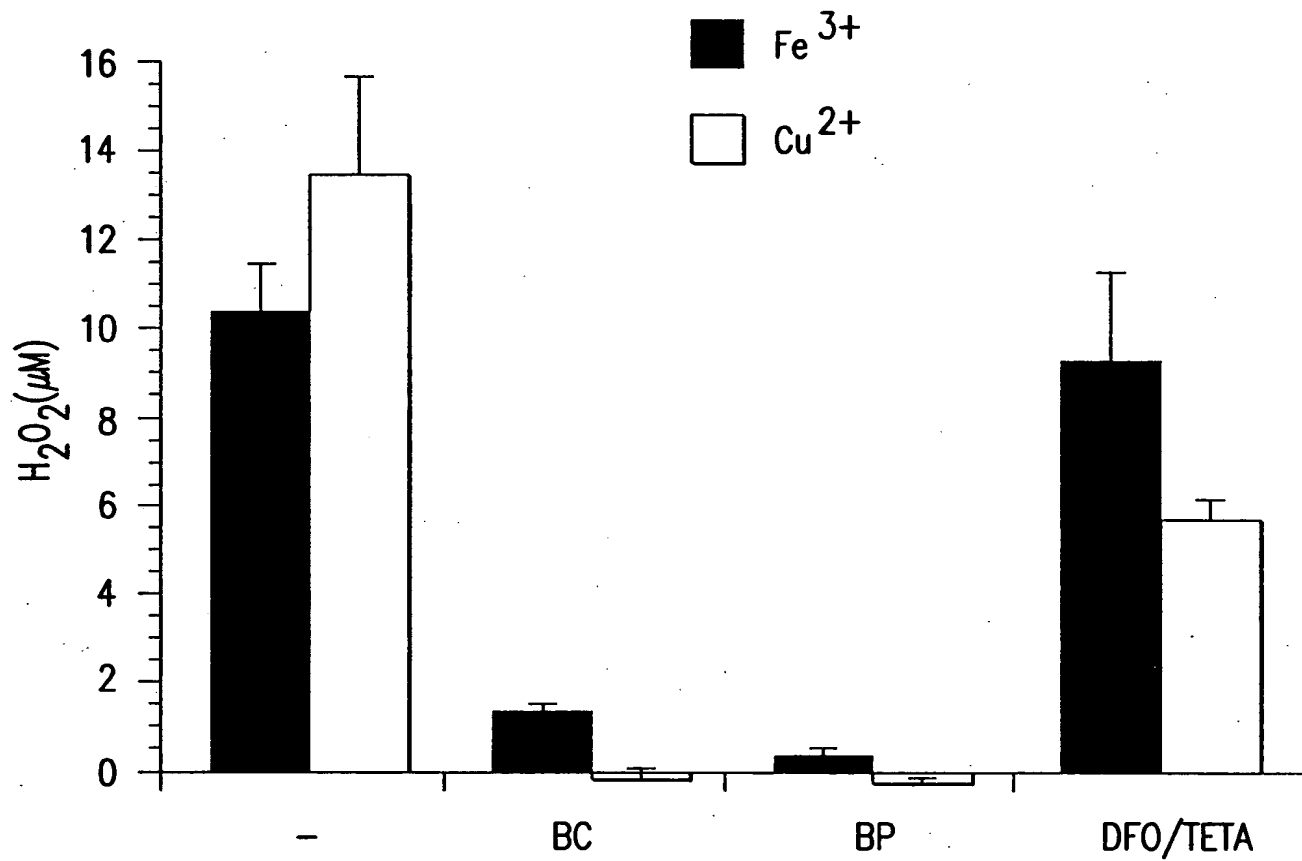


FIG. 14C

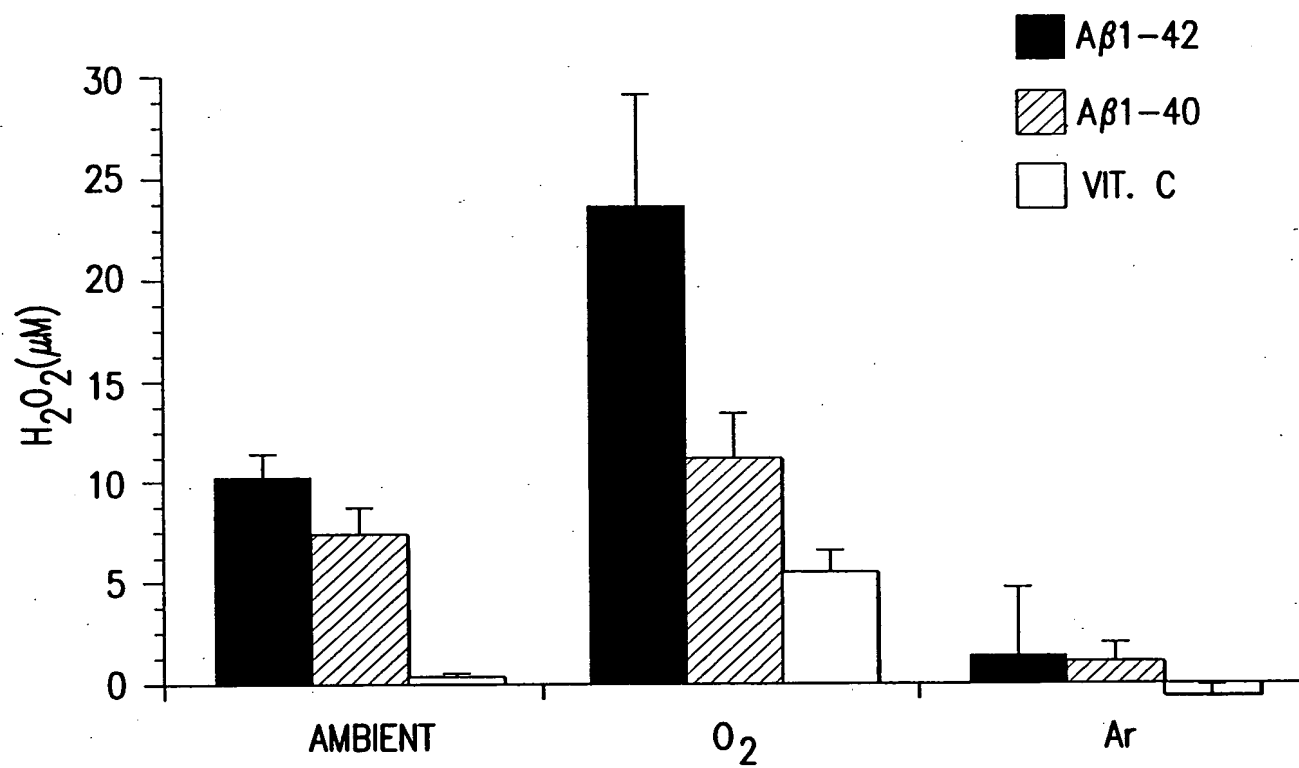


FIG. 14D

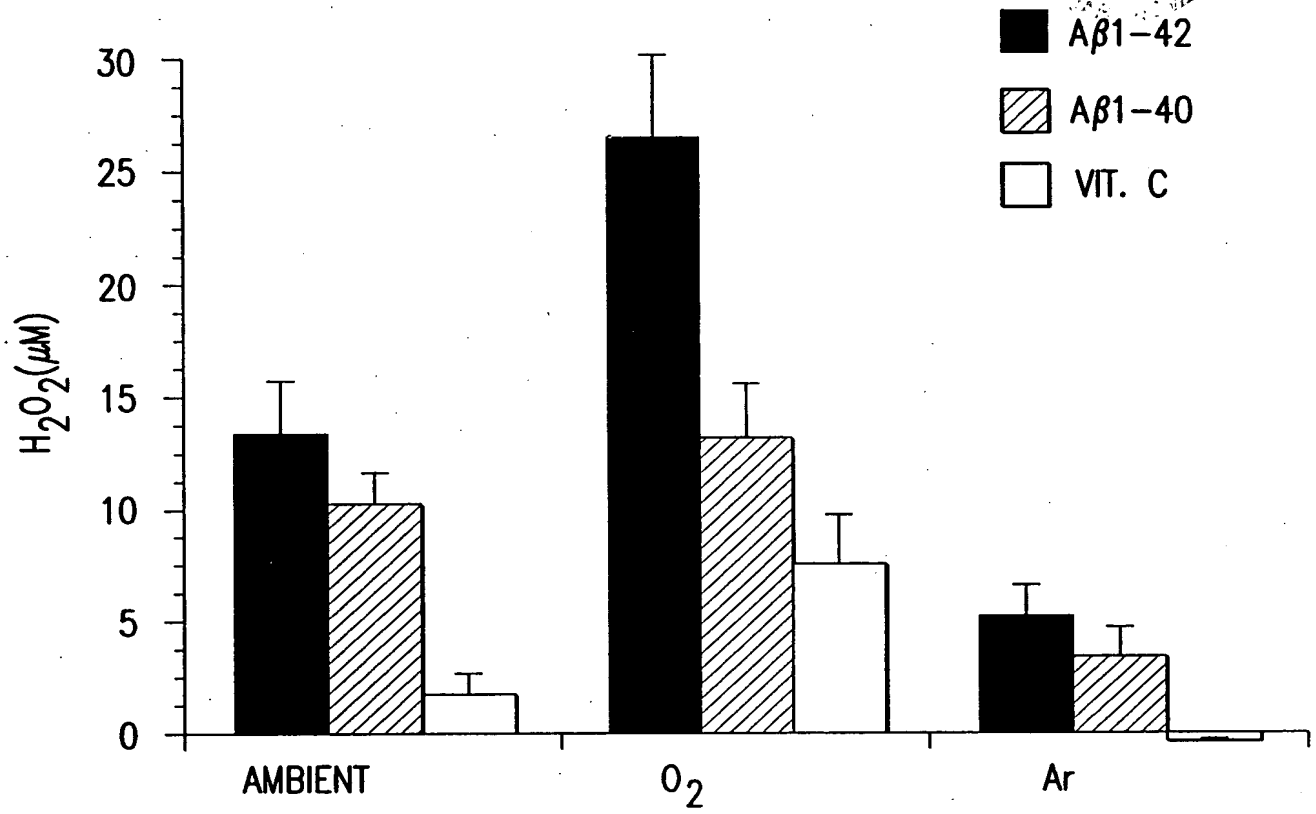


FIG. 14E

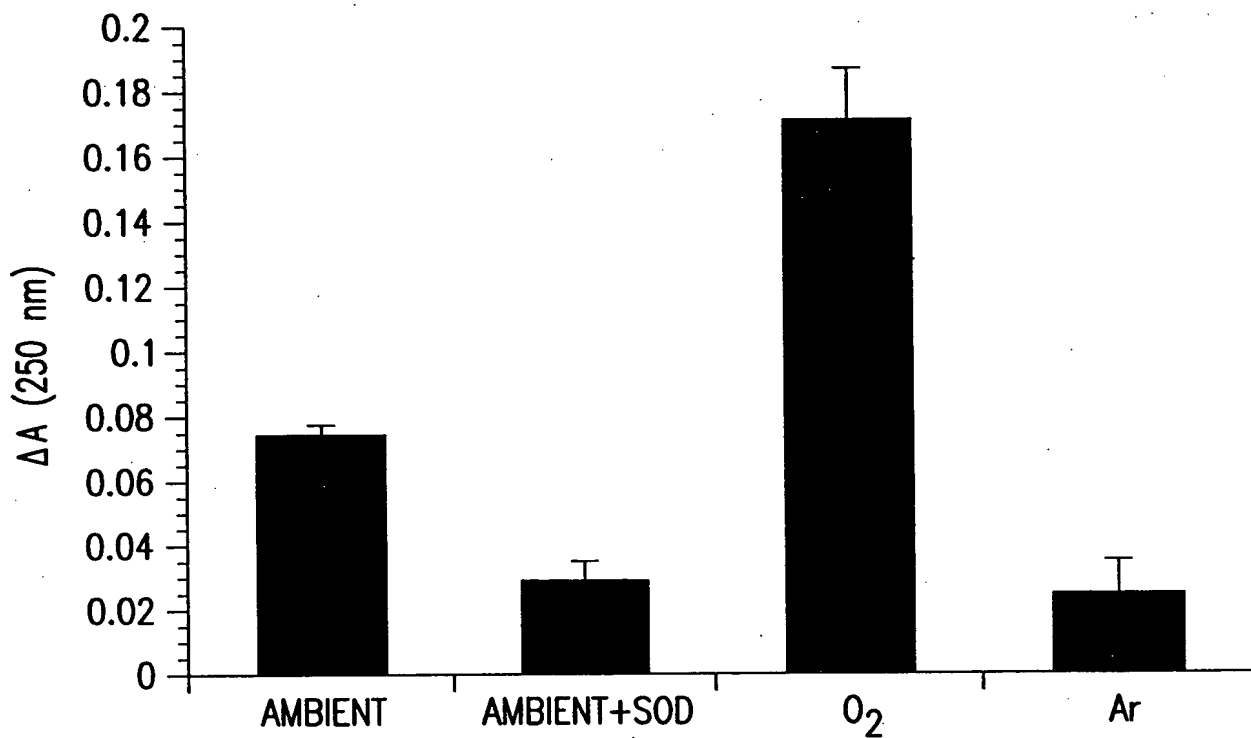


FIG. 15A

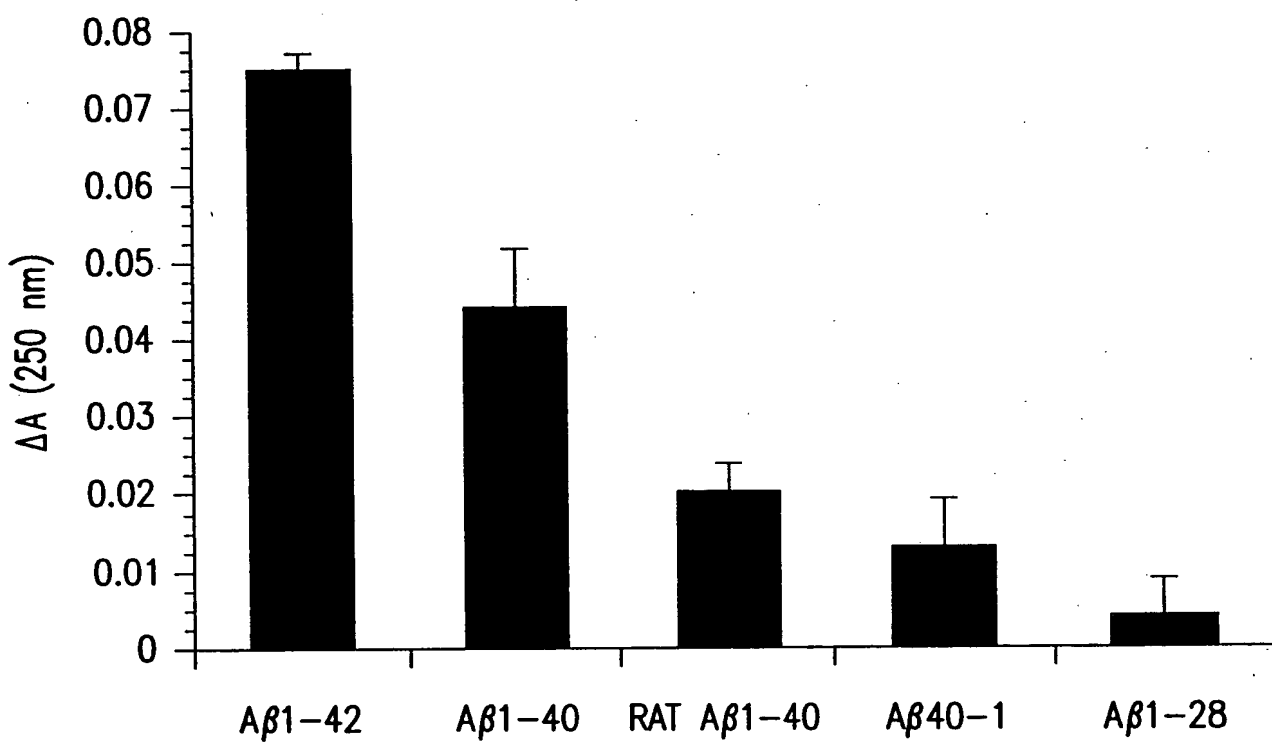


FIG. 15B

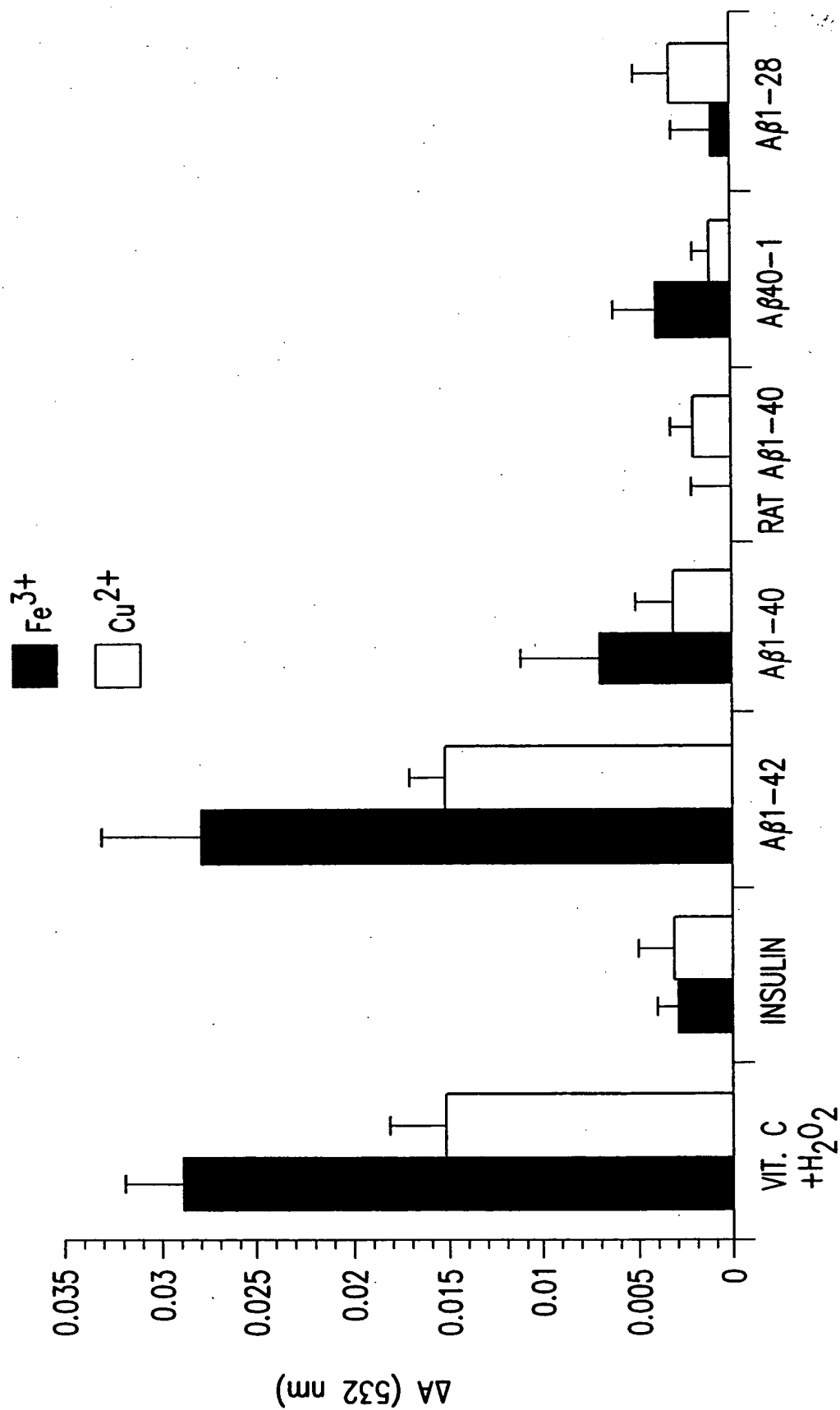


FIG. 16A

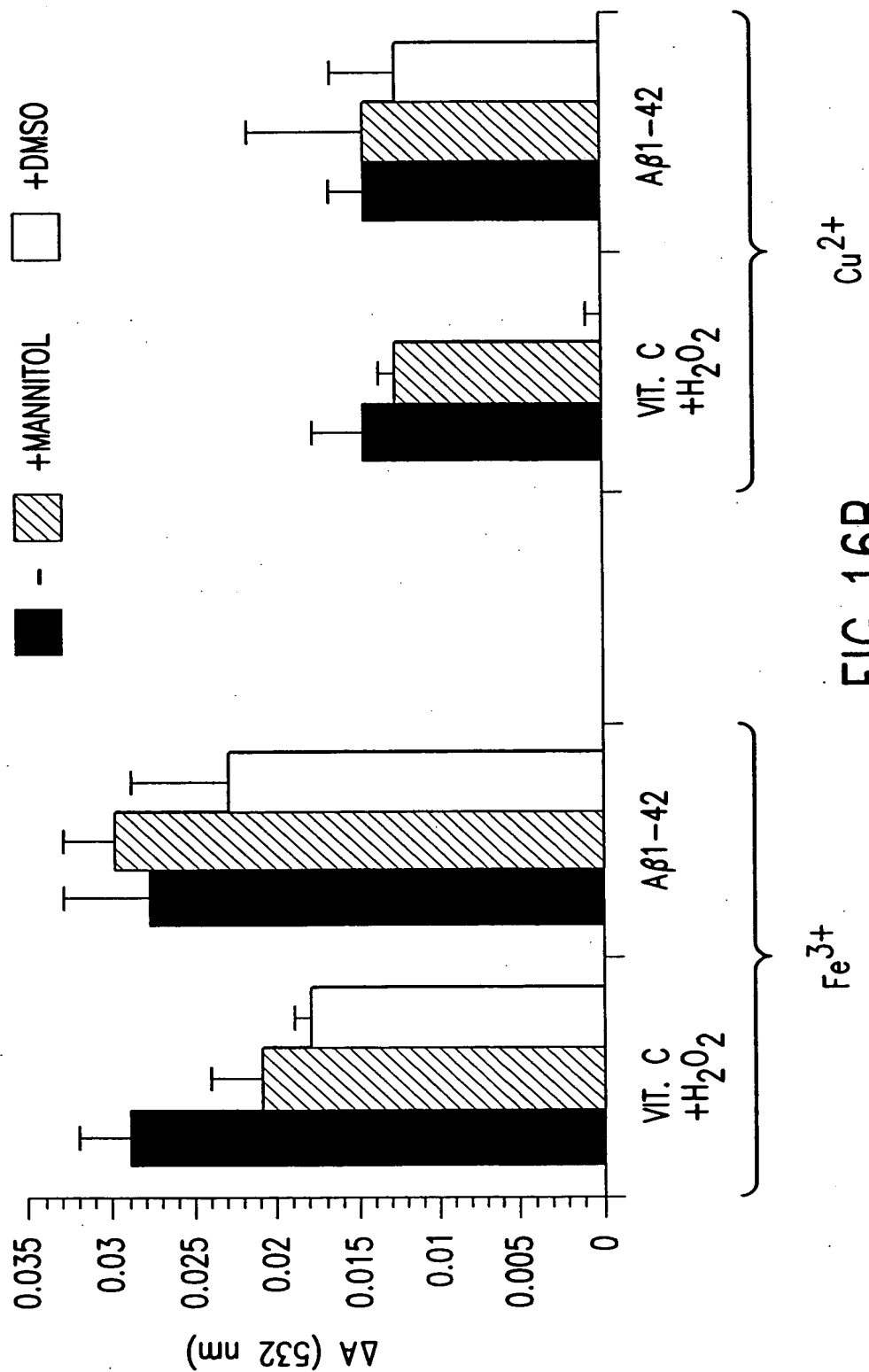


FIG. 16B

206070 08695660

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

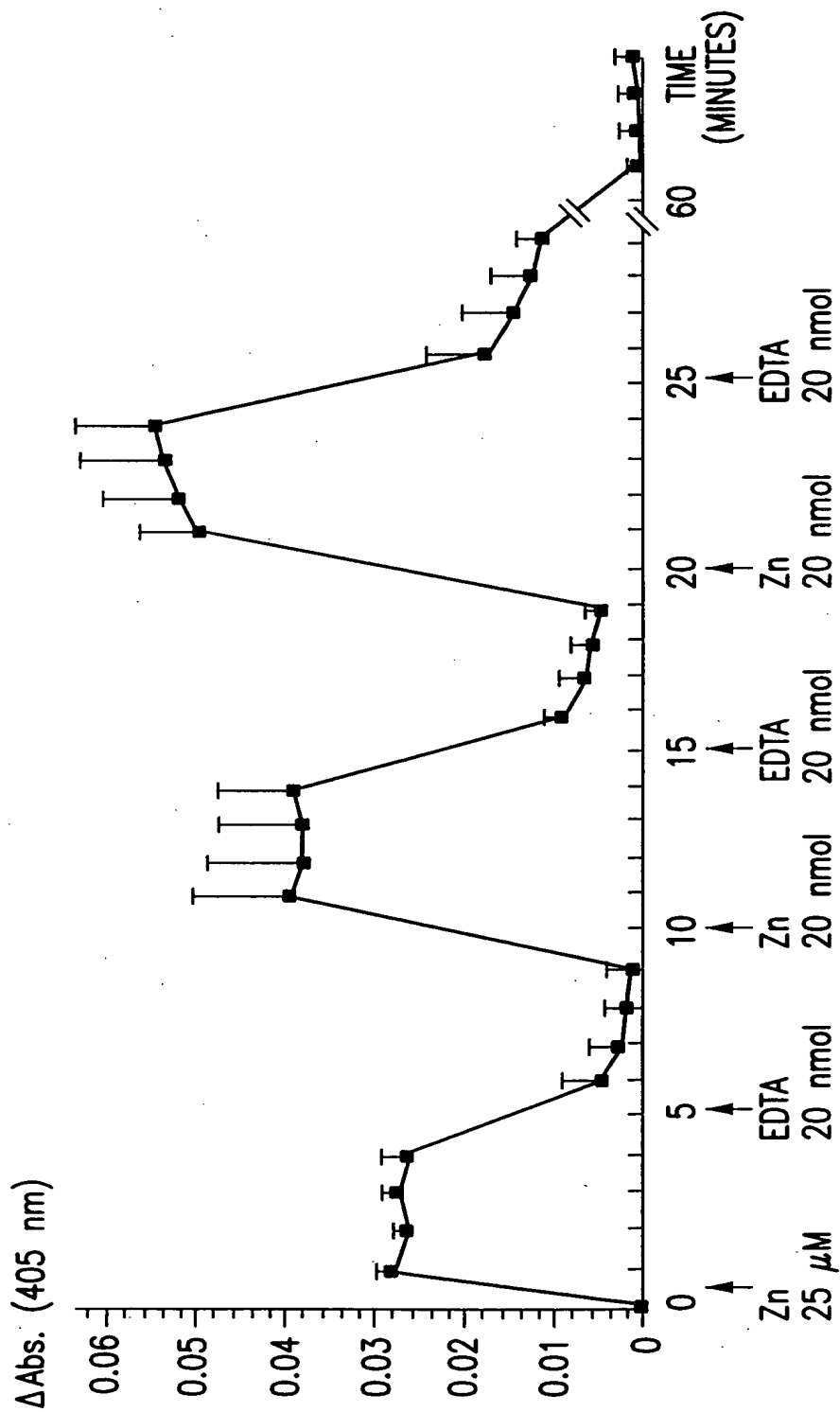


FIG.17

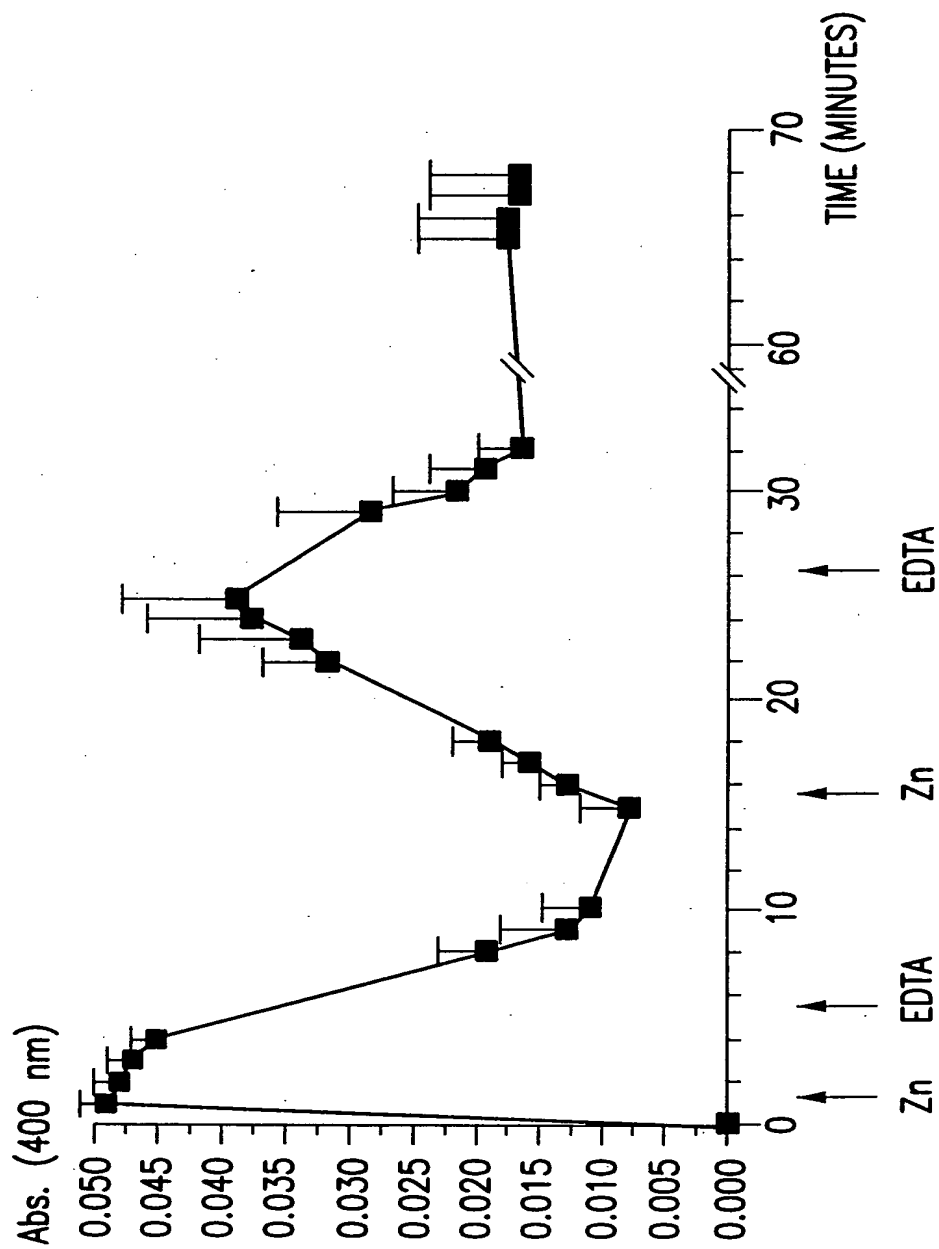


FIG.18

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

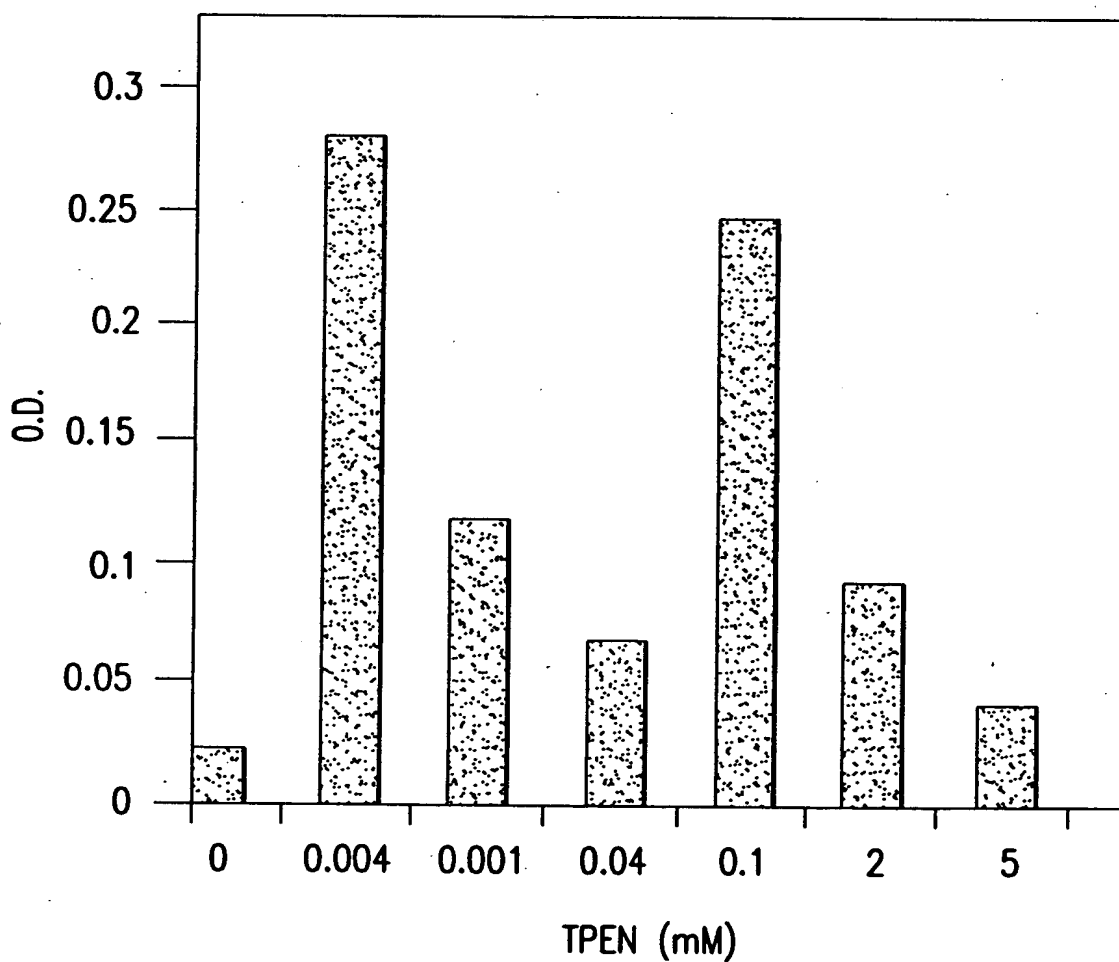
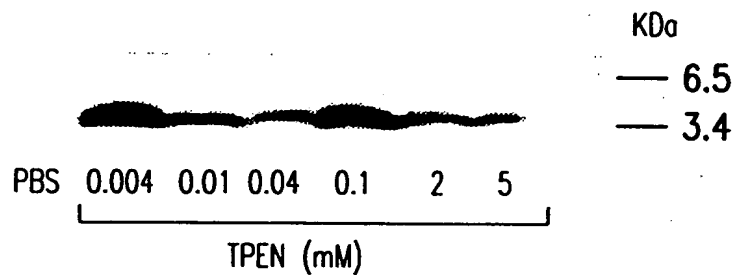


FIG. 19A

206010-08695660

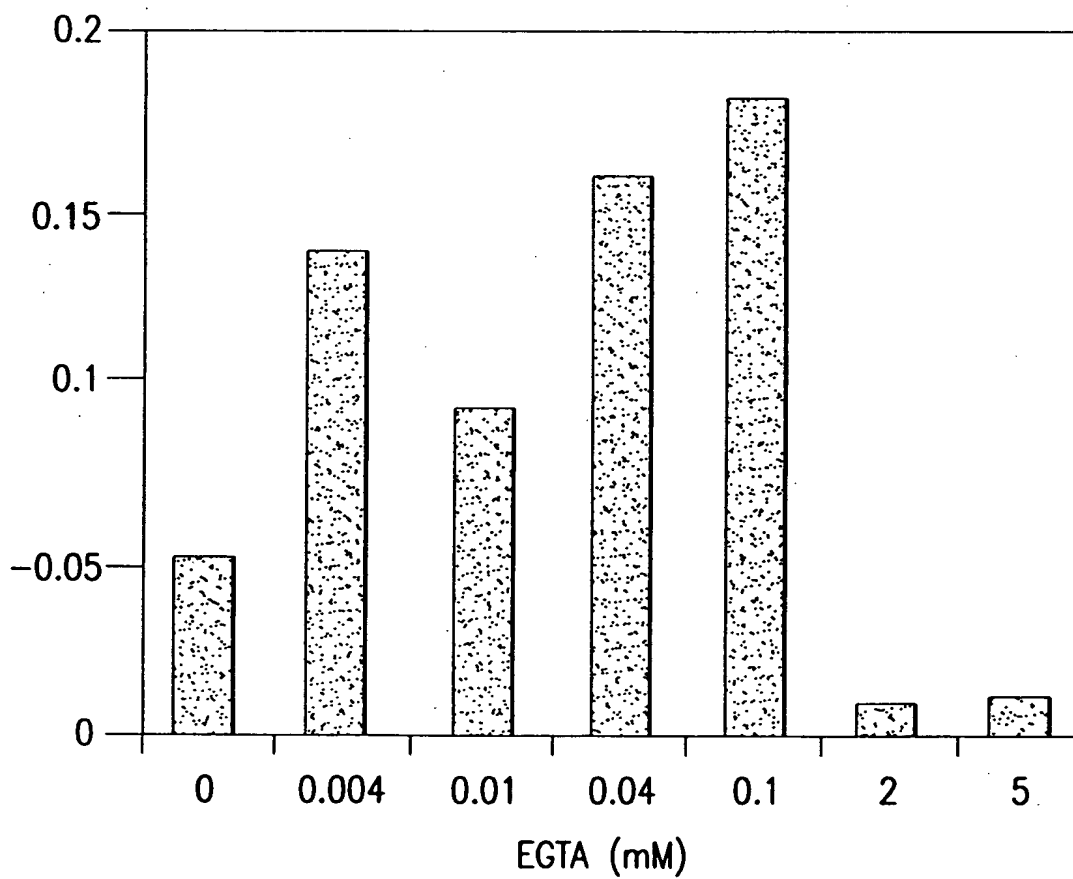
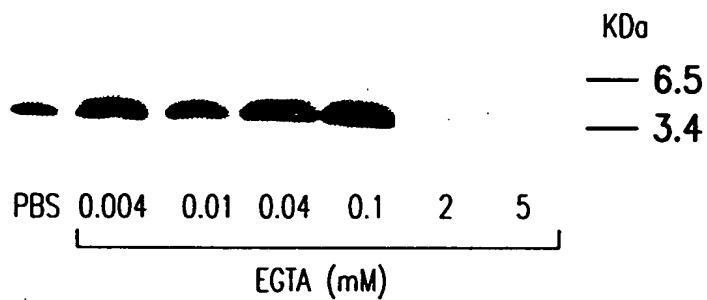


FIG. 19B

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

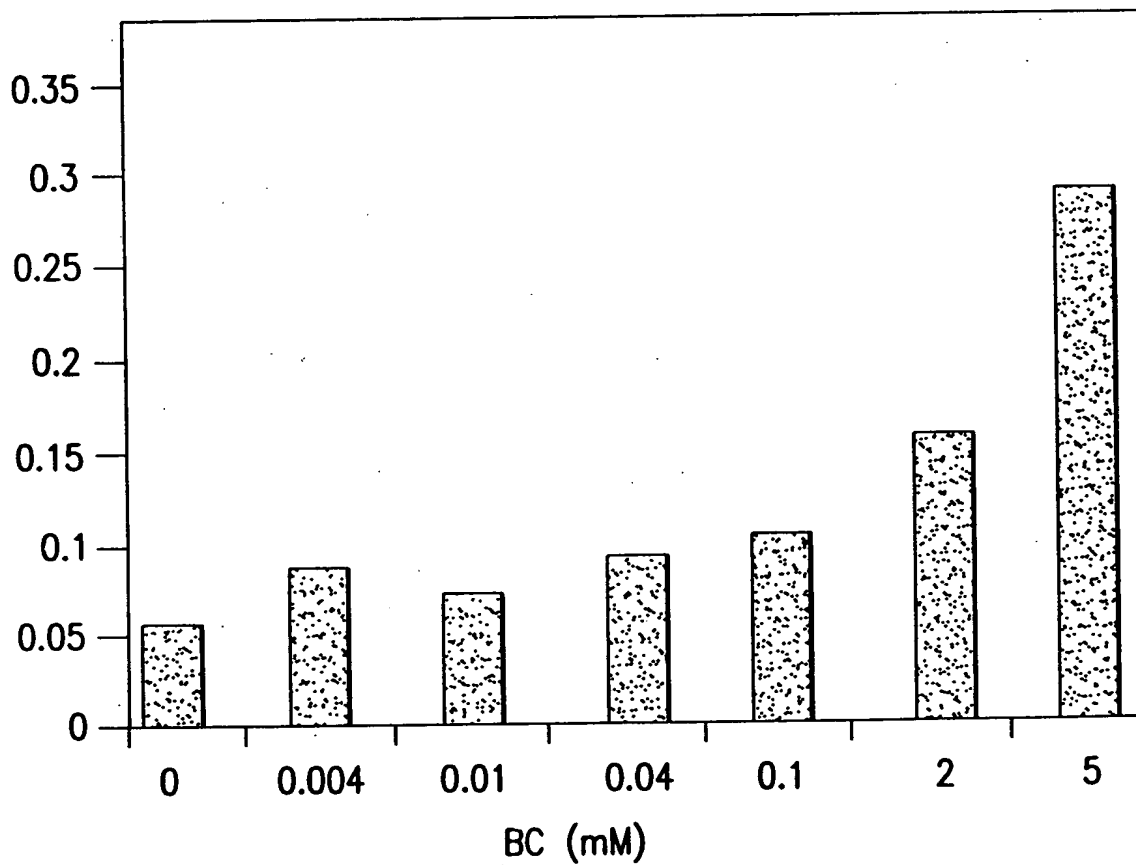
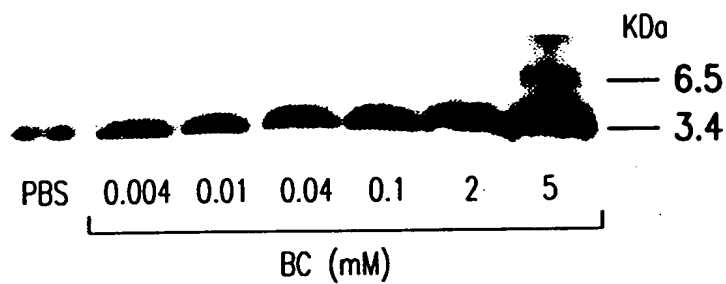
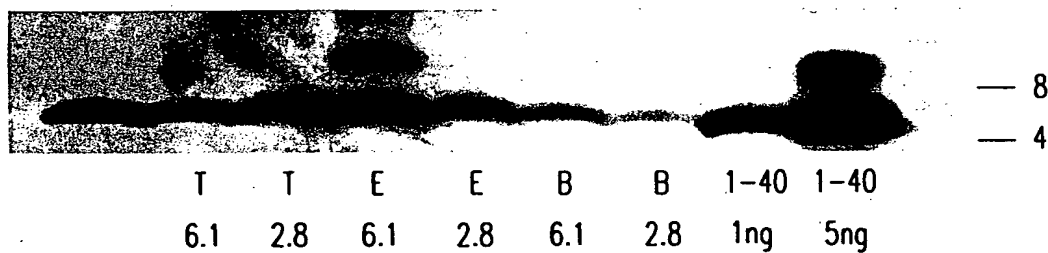


FIG.19C

206010-08695660

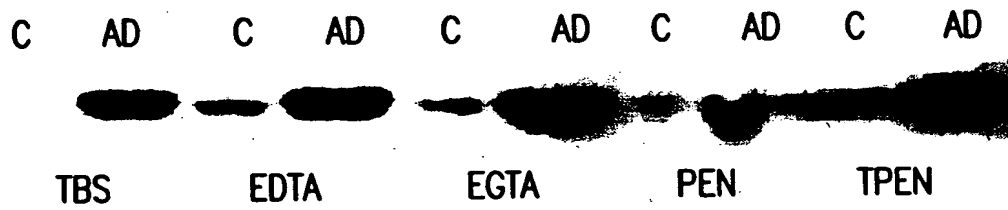
Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

206070-08595660



Age- matched control- (indicative gel)

FIG.20A



Young control vs AD, various chelators 5mM

FIG.20B

206070-0869560

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease



206070 08695660

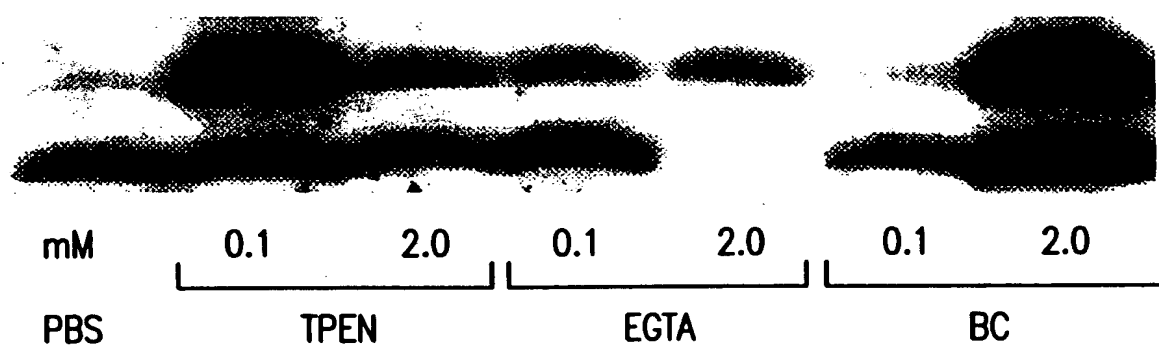


FIG.21

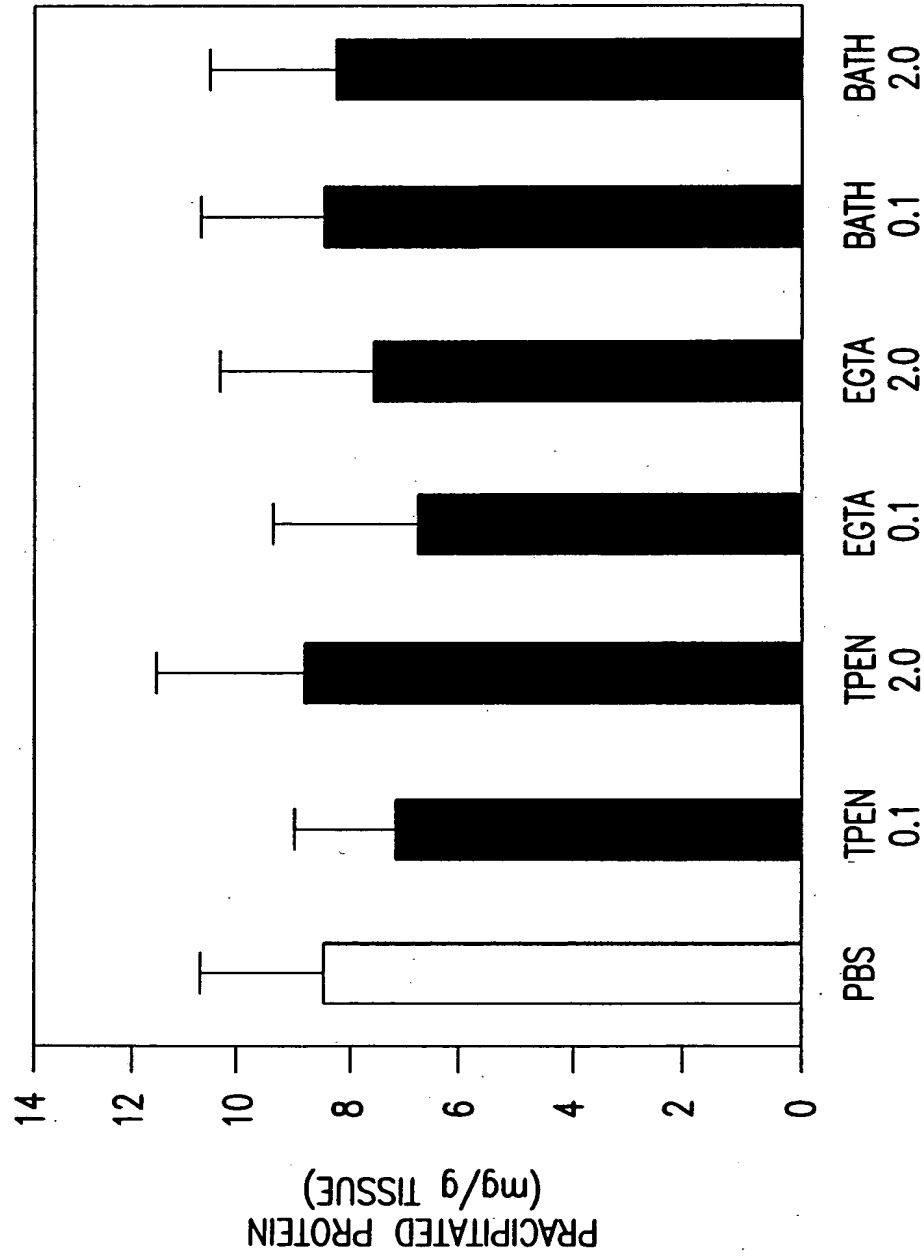


FIG.22

206070" 08695660

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

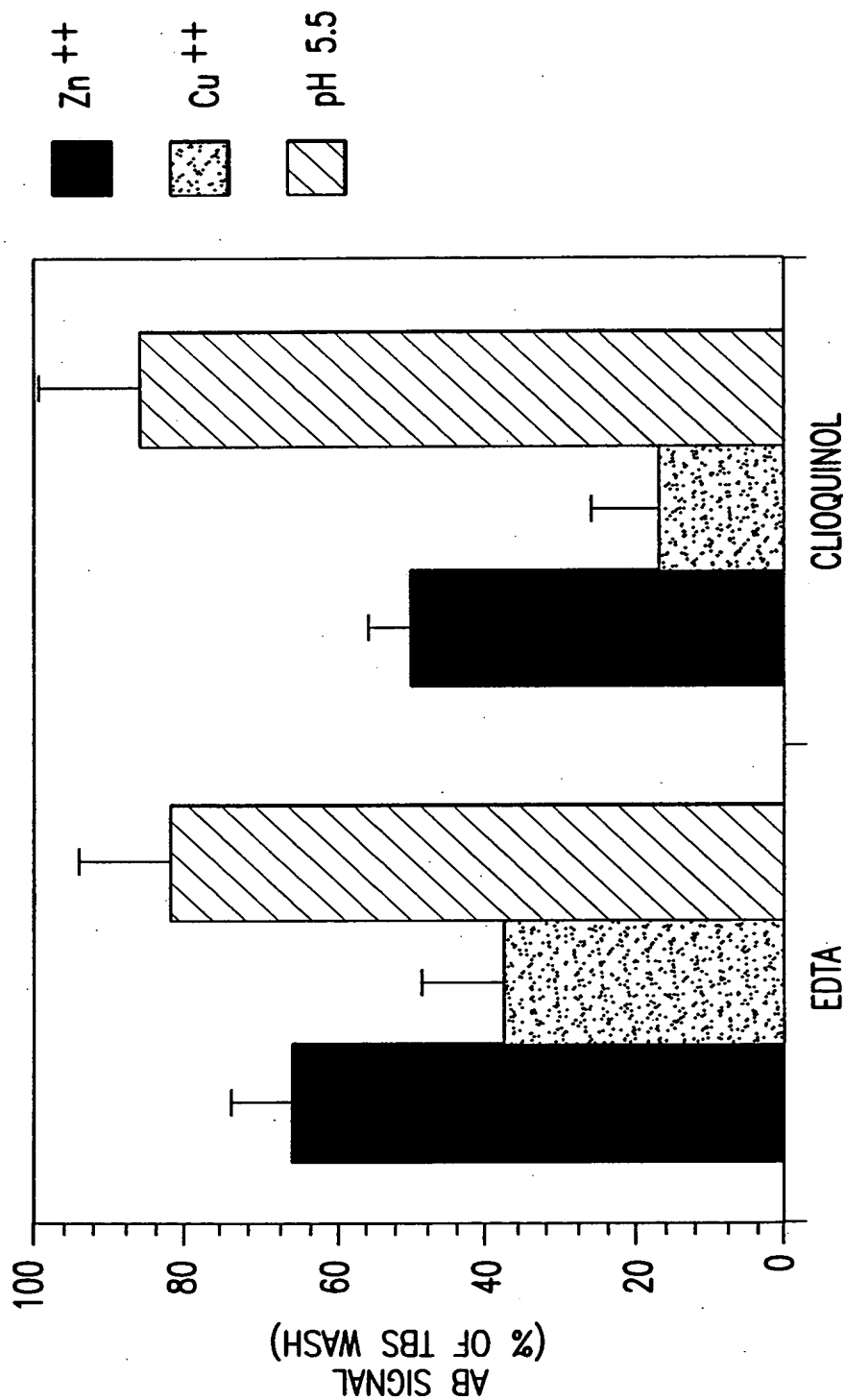


FIG.23

206010" 08695660

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

Brain specimen #1



Brain specimen #2



| | S1 | S2 | S1 | S2 | S1 | S2 | S1 | S2 |
|----------|----|----|------|----|-----|----|----|----|
| Dilution | 0 | | 100% | | 10% | | 1% | |

FIG.24

Appl. No. 09/956,980; Group Art Unit: 1614
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
Inventor(s): Bush *et al.*; Tel: 202/371-2600
Title: Agents for Use in the Treatment of Alzheimer's Disease

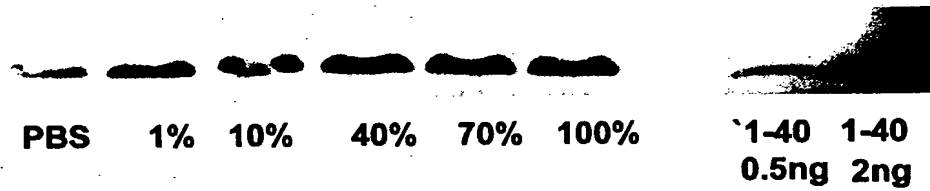


FIG.25A

206070-08695660

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

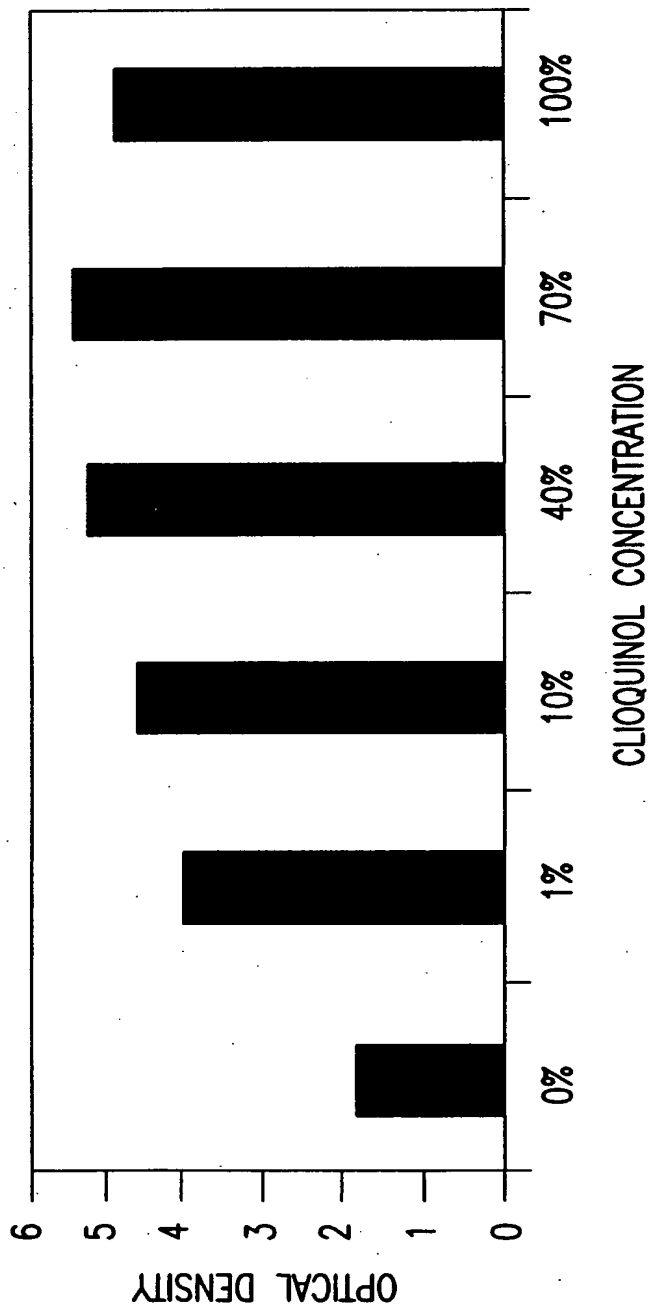


FIG. 25B

206070" 08695660

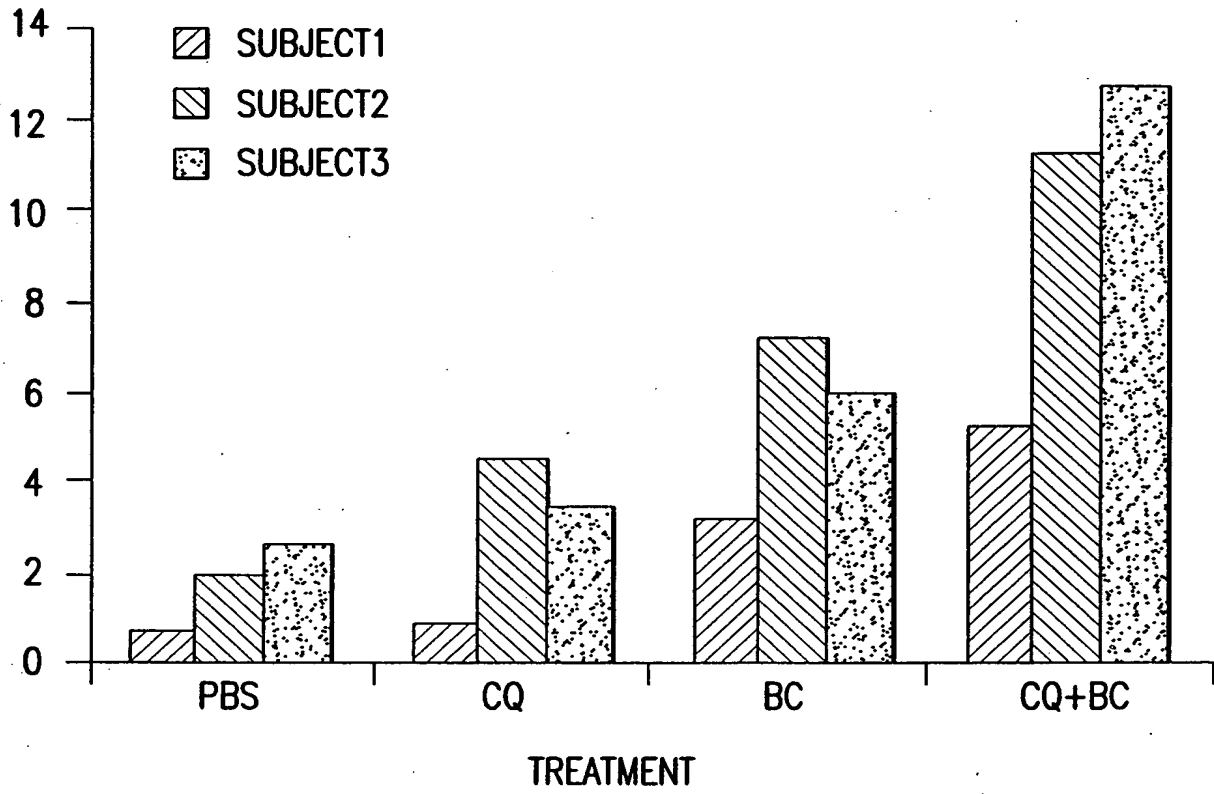


FIG.26

206070-0869560

Appl. No. 09/956,980; Group Art Unit: 1614
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
Inventor(s): Bush *et al.*; Tel: 202/371-2600
Title: Agents for Use in the Treatment of Alzheimer's Disease

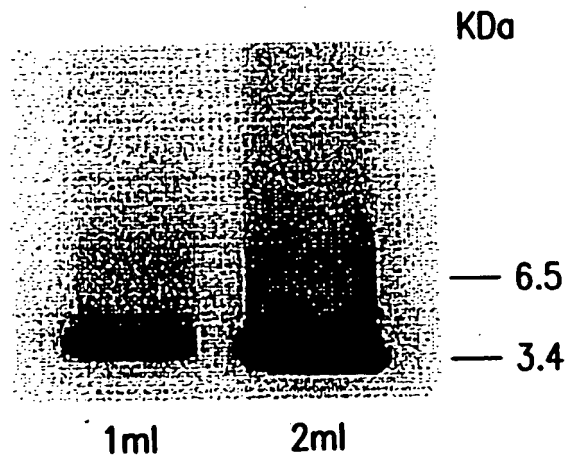


FIG.27

09956980.010602

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

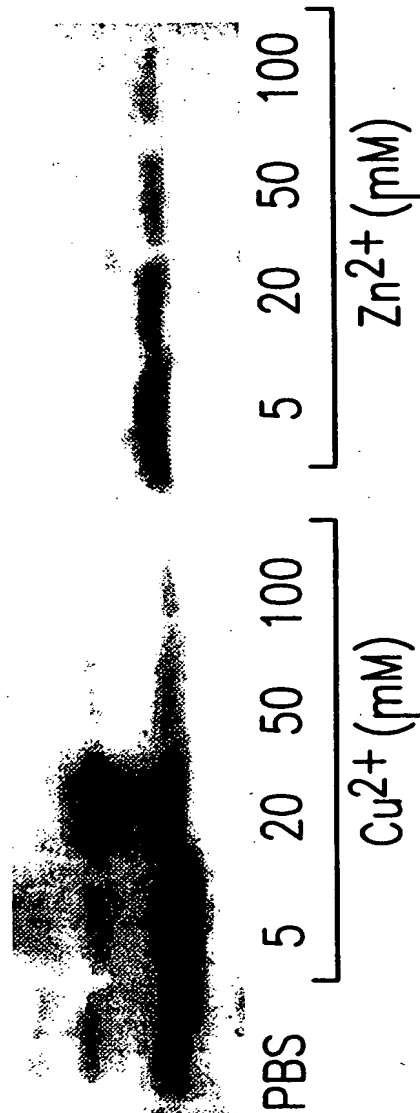
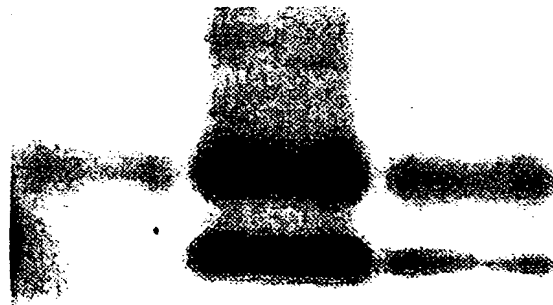


FIG.28A

206010-0369560

Appl. No. 09/956,980; Group Art Unit: 1614
Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
Inventor(s): Bush *et al.*; Tel: 202/371-2600
Title: Agents for Use in the Treatment of Alzheimer's Disease



PBS Mg²⁺ Ca²⁺

FIG.28B

09956980.01090

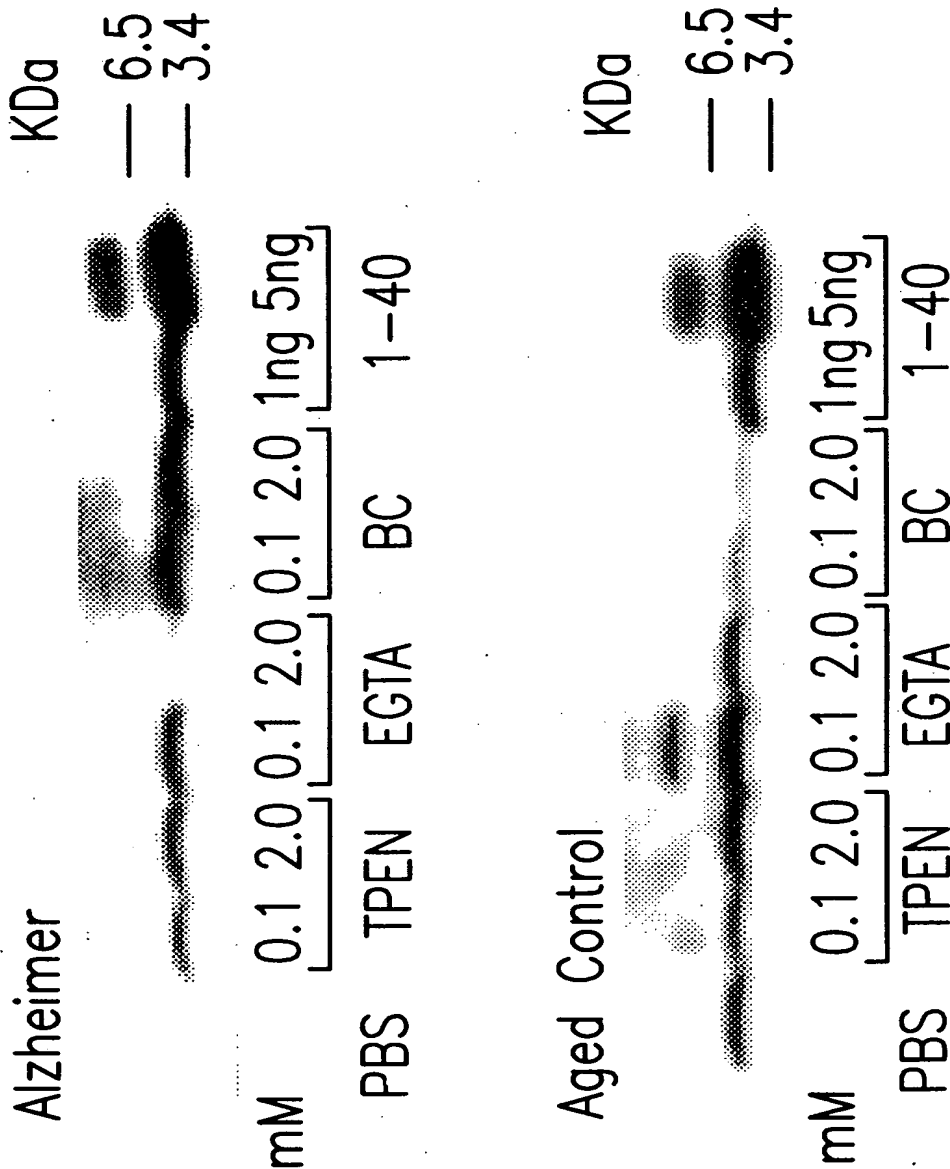


FIG. 29A

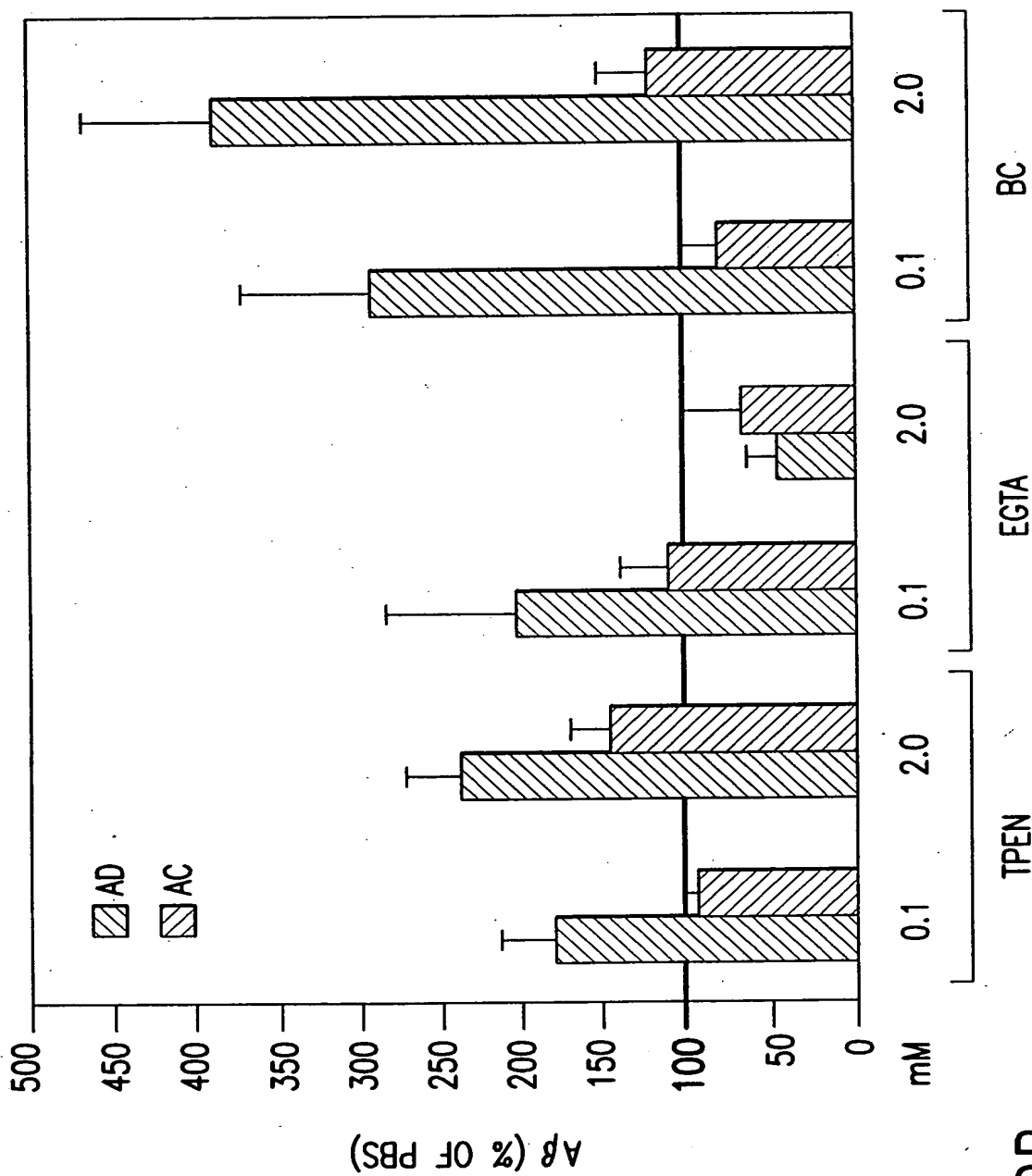


FIG.29B

206070-08695660

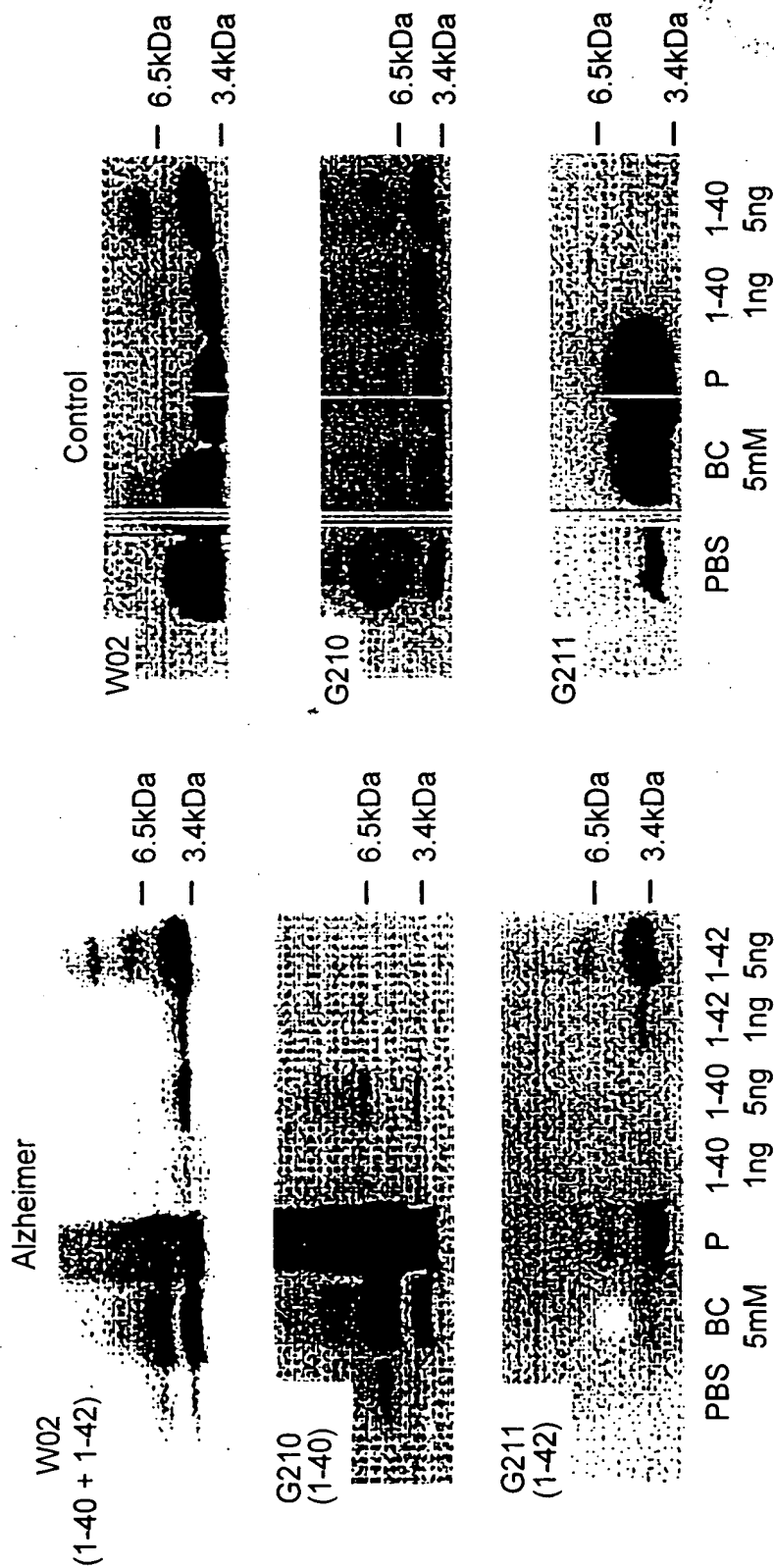


FIG.30

2060T0" 08695660

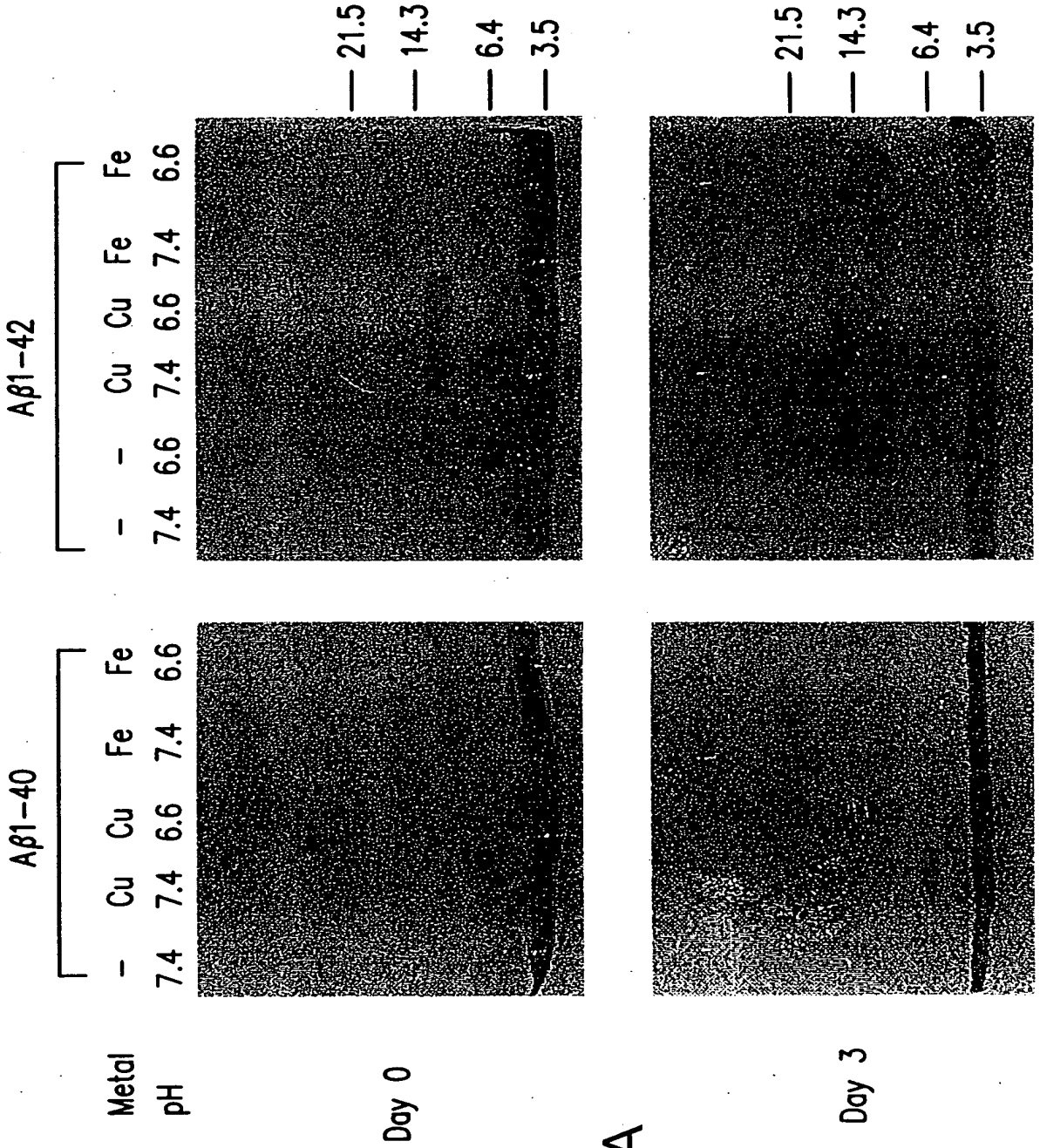


FIG.31A

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Diseases

206070-08695660

Rat Aβ1-40

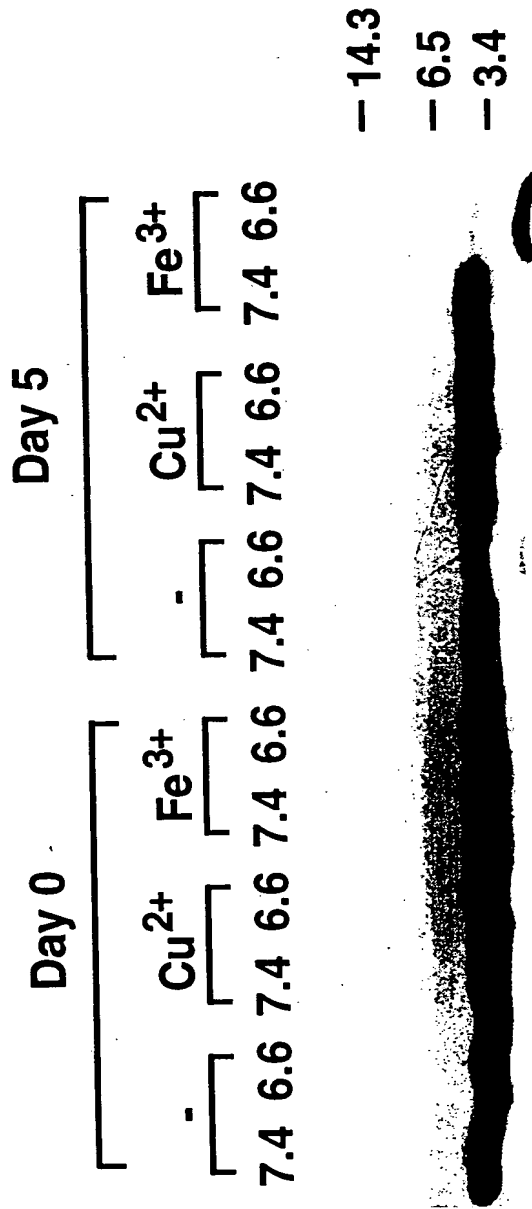


FIG.31B

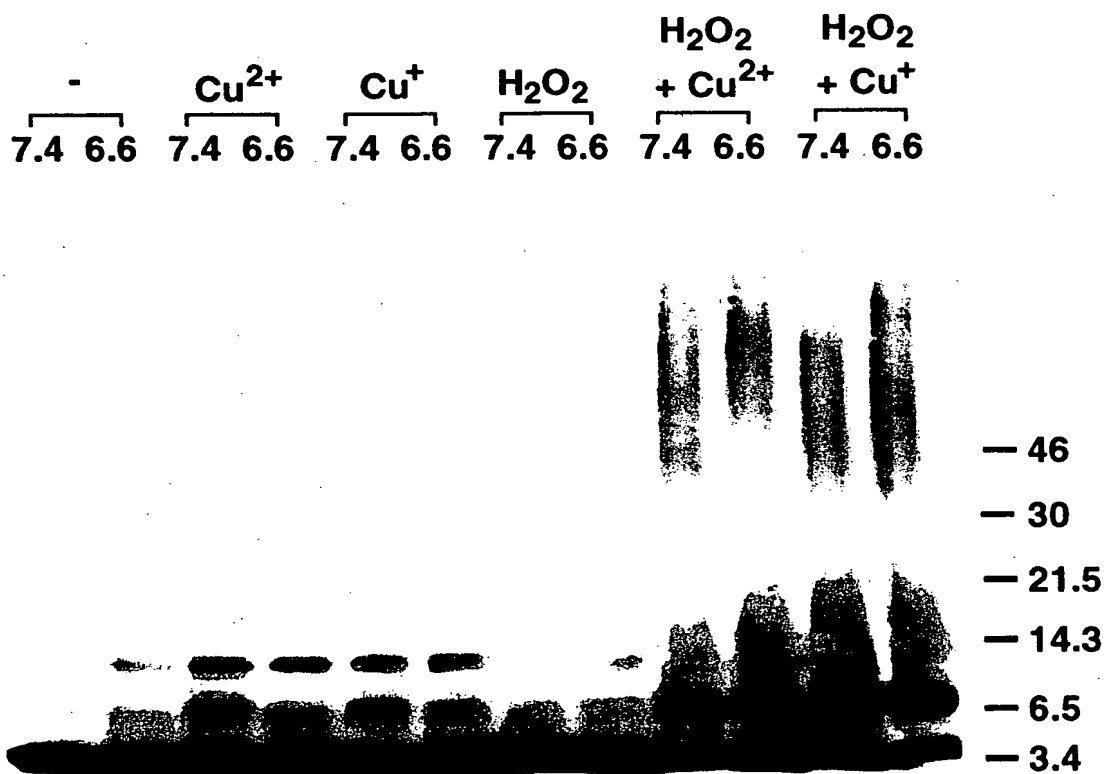


FIG.32A

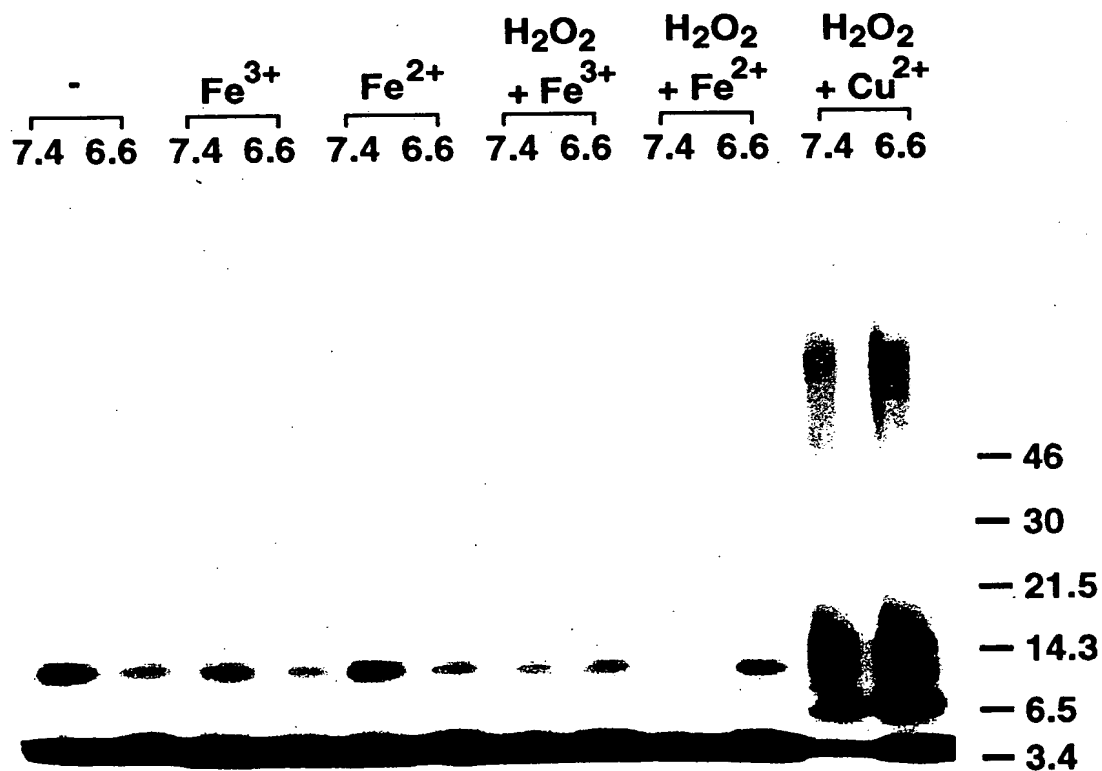


FIG.32B

09956980.010902

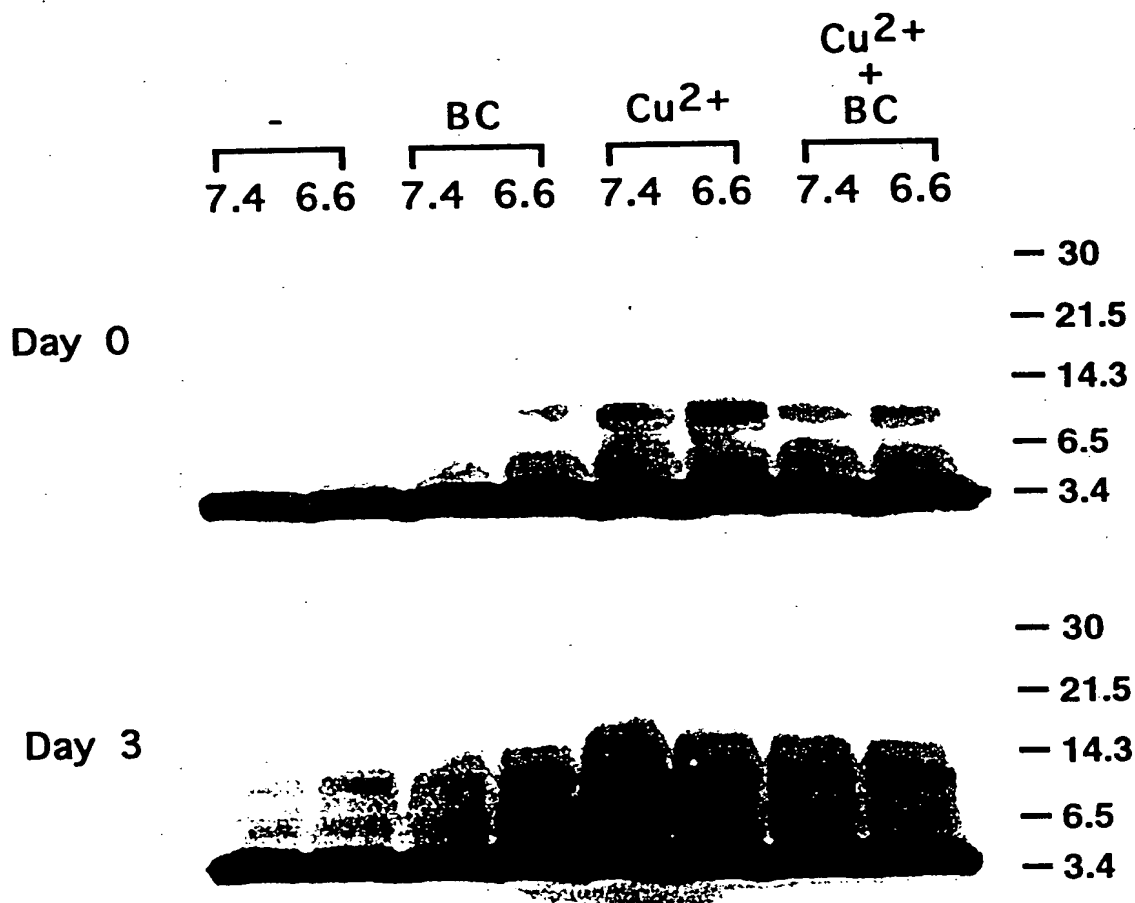
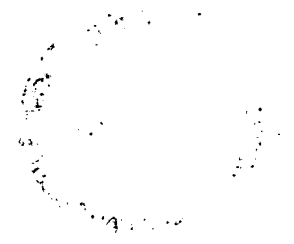


FIG.32C

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease



0956980-010902

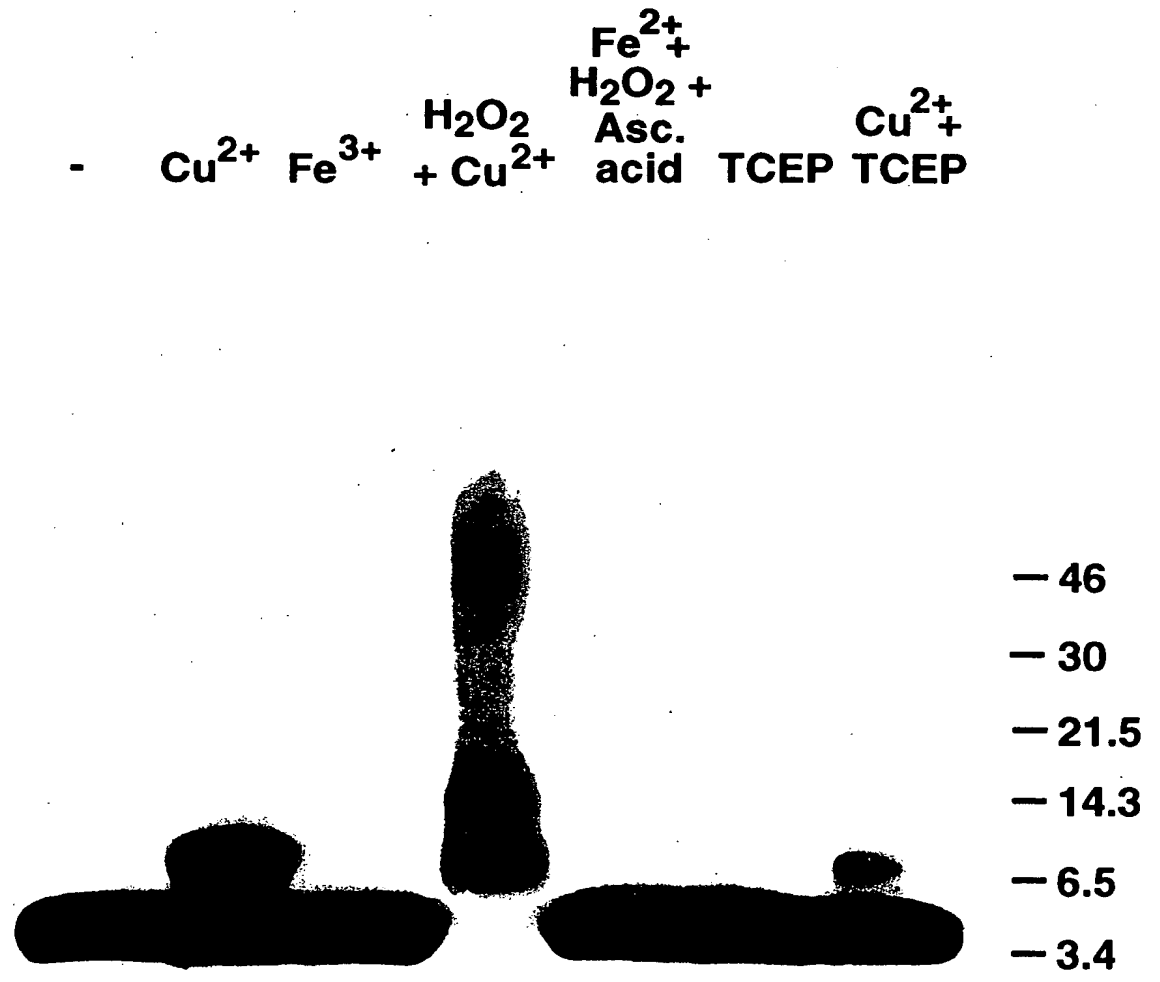


FIG.33A

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

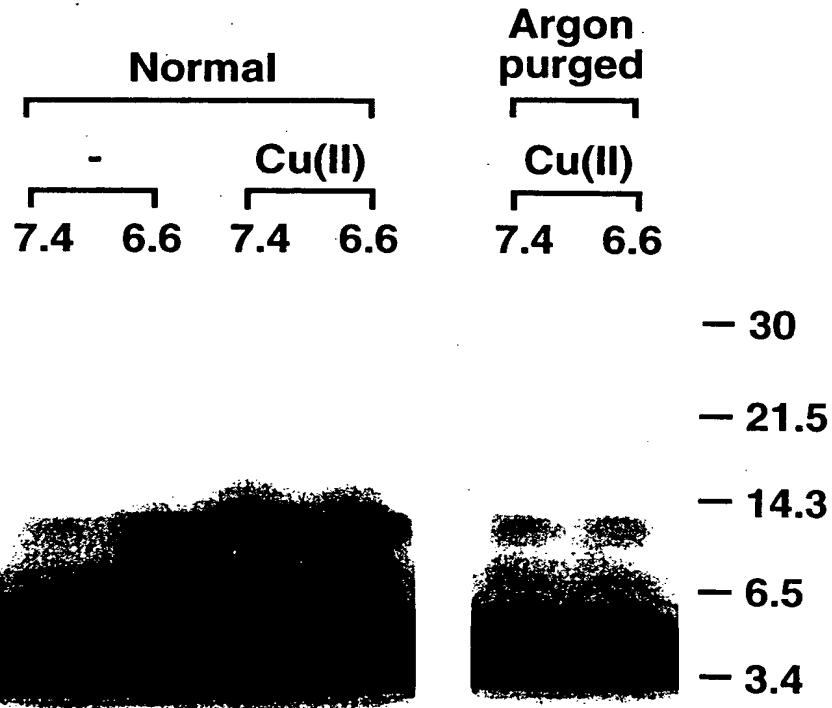
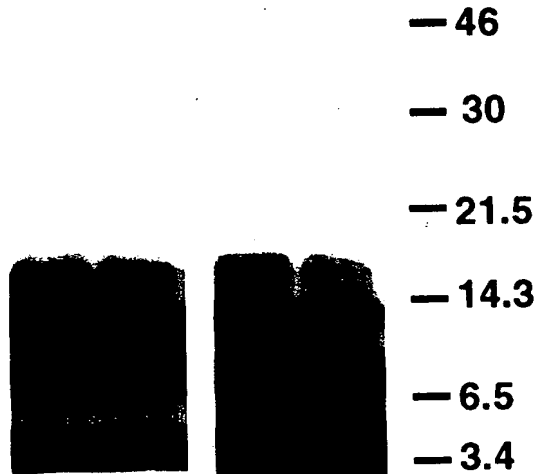
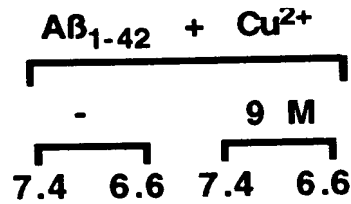


FIG.33B

206070-08695660

Polymerization
 reaction

Urea



Polymerization
 reaction

Urea

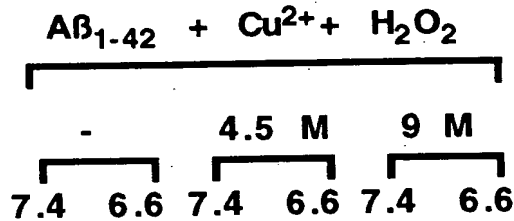


FIG.34A

206070" 08695660

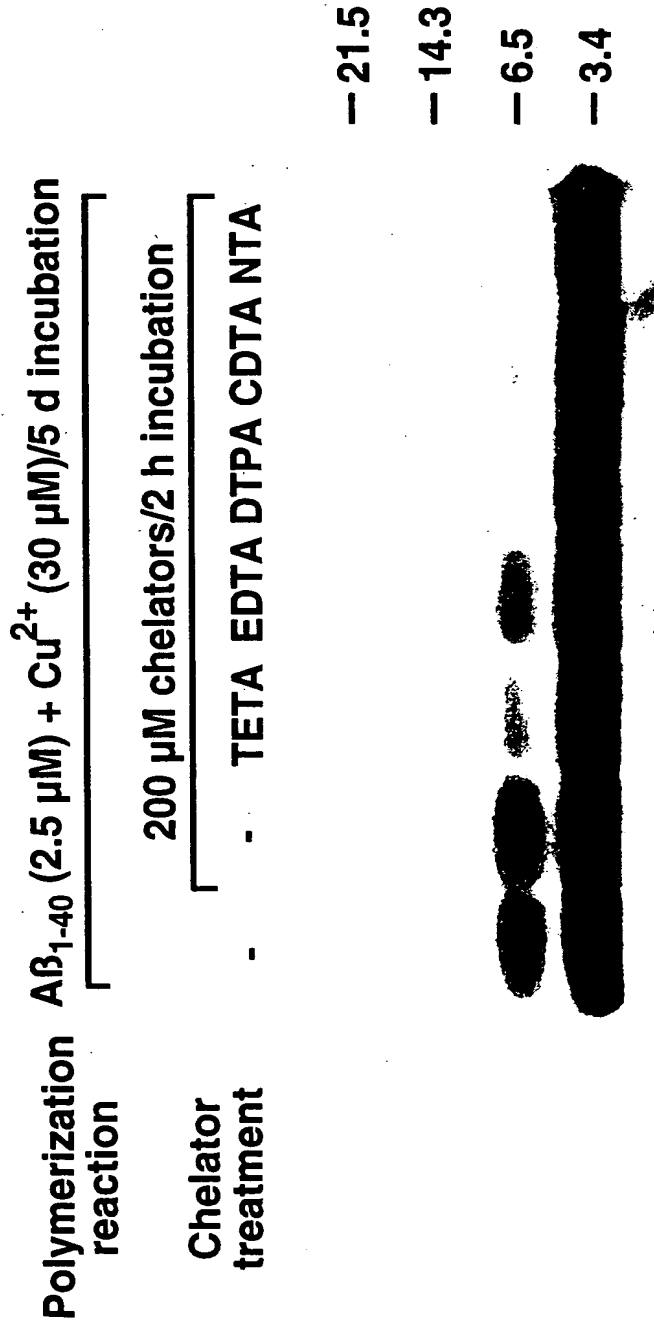


FIG. 34B

206070" 08695660

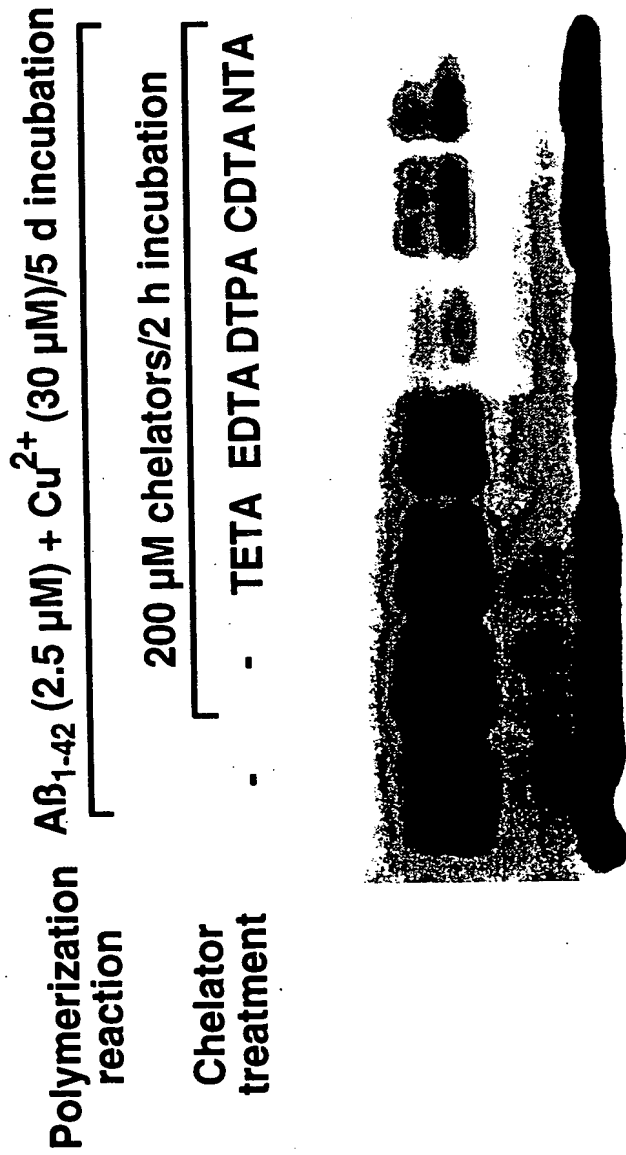


FIG. 34C

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

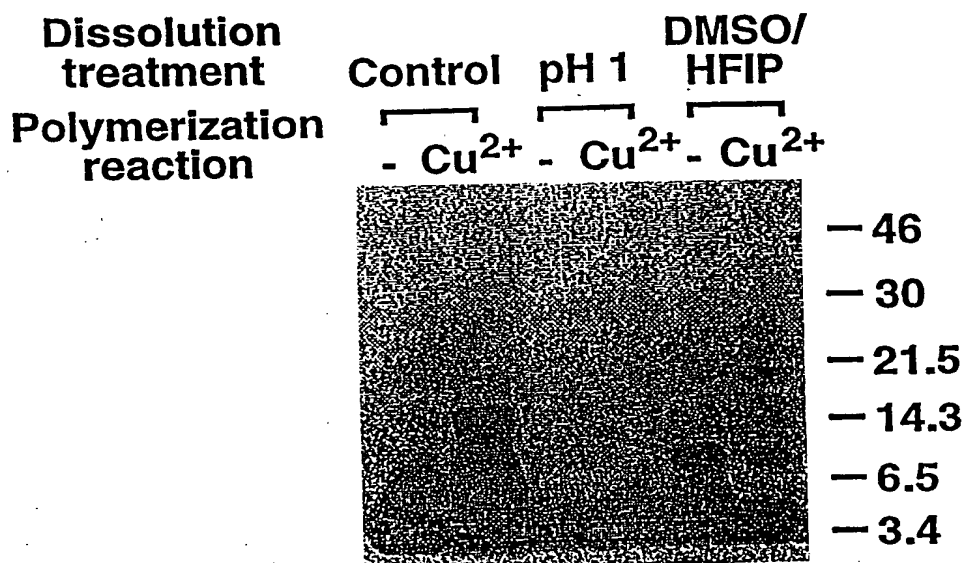


FIG.34D

206070-08695660

Appl. No. 09/956,980; Group Art Unit: 1614
 Dkt. No. 0609.4550001/JAG/FRC; Batch No.: N/A
 Inventor(s): Bush *et al.*; Tel: 202/371-2600
 Title: Agents for Use in the Treatment of Alzheimer's Disease

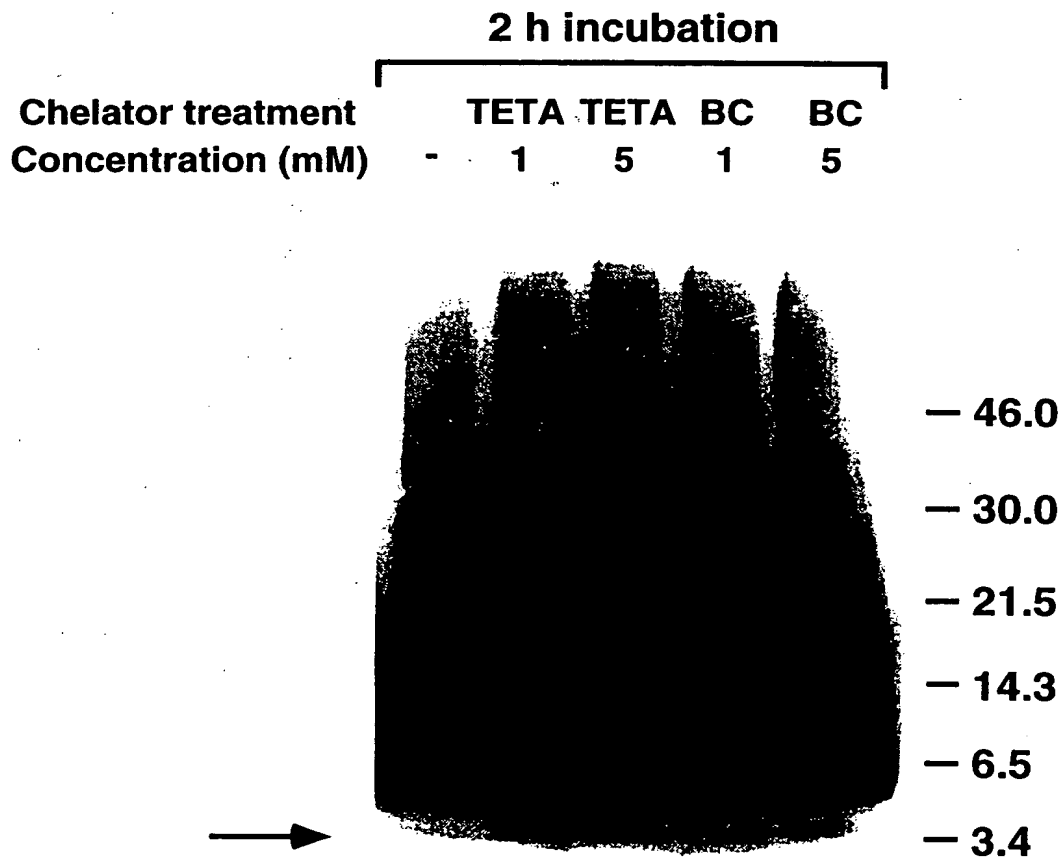


FIG.34E

09956980 010902